

US EPA RECORDS CENTER REGION 5



509057

L0310420002--Cook County
Chicago Copper & Chemical Co
ILD984774968
SF/HRS

Med - EHV
3/23/90

5E0301-A010D

CERCLA

Preliminary

Assessment

Report

6155



Illinois Environmental
Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

Confidential Material May be Enclosed

L0310420002--Cook County
Chicago Copper and Chemical Co.
ILD984774968

EXECUTIVE SUMMARY

Chicago Copper and Chemical Company was located on a 16.07 acre site on the northwest corner of Winchester Road and Burr Oak Avenue (127th Street) in Calumet Park, Illinois (SW 1/4 SE 1/4 Section 30, T.37N., R.14E.). The Airline Towing Company is the current operator at the site, using only the southern one-third of the site for their operations. The northern two-thirds is currently vacant, but was used as a random dump for concrete, wood, and tires. Mr. J.R. Bramlett currently owns four of the five parcels once owned by Chicago Copper and Chemical Company, while Mr. Michael Holt owns the fifth parcel.

The Chicago Copper and Chemical Company was added to CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) in June of 1989 as the result of a request by the Illinois Environmental Protection Agency (IEPA). The request was based on the IEPA's review of Sanborn Fire Insurance Maps, which indicated that the Chicago Copper and Chemical Company may have used certain heavy metals in their processes (see Sanborn maps for the years 1886, 1897, 1911 and 1941).

The Chicago Copper and Chemical Company began operations before 1886 and was incorporated under State of Illinois laws on December 20, 1911. The company used "a secret process of manufacturing barium hydrate and processes of manufacturing other barium compounds and processes of smelting and refining metals, ores and alloys" (1911, Corporation form filed with the Illinois Secretary of States office). The main object was to buy, sell, deal, refine, manufacture and treat ores, metals, alloys, minerals and chemicals. The facility discontinued operations in 1970, with the buildings razed soon thereafter. Airline Towing took over operations at the site in 1969 and continue to operate at this time.

A citizen complaint, alleging a potential hazardous waste pile, filed in February 1986 resulted in the first IEPA inspection at the site. The inspection found some small piles of concrete and general refuse around the site, but no waste pile. A second complaint was filed in April of 1986 also indicating a waste pile on-site and that the pile was being graded down. A second inspection conducted by the IEPA on May 6, 1987 discovered a waste pile of sandy/pebble-like material consisting of white, yellow, orange, red, gray and dark green layers. Three samples were taken from the pile

and analyzed for E.P. Toxicity and Total Metals. The results revealed the following compounds:

<u>SAMPLE POINT</u>	<u>COMPOUND</u>	<u>CONCENTRATION (PPM)</u>
X102	Barium (Total)	10750.0
X102	Lead (Total)	137.5
X102	Copper (Total)	72.5
X103	Copper (Total)	112.5
X103	Lead (Total)	2350.0
X103	Barium (Total)	74000.0
X103	Barium (EP Tox)	1036.0

An inspection conducted two years later on May 24, 1989, indicated that the waste pile and the other debris piles had been removed to an unknown location. A compliance conference was held in September 1989 to determine the whereabouts of the waste pile. According to J.R. Bramlett, (one of the property owners), the pile was removed sometime prior to August 1988 with no indication of where the pile was taken. The conference ended with the property owners (Bramlett and Holt) agreeing to sample the area of the pile for the presence of hazardous waste as well as surrounding areas. On October 3, 1989, eight sampling locations were dug from one to two feet deep, with one sample taken from each location. Illinois EPA representatives and a contractor (Industrial Clean-Up for Environmental Protection {ICEP} from E. Chicago, IN) for the current owner split samples from the eight locations. The locations (see Reference 8) were taken in and around the area where the waste pile had been located. At this time, the IEPA results have not been completed, however preliminary results from ICEP indicate the presence of barium. Mr. J.R. Bramlett recently hired ICEP to take additional soil samples in the north portion of the property, so that he may sell the land to a local lumber company. The preliminary results from ICEP also indicate high concentrations of barium.

At this time, an enforcement case is going to be filed against the current owners of the property for the following violations: Closure/Post Closure violations 725.212(a) and 725.242(a); Other violations 725.111, 725.353(a), 725.354, 725.401(a), 725.402 and 725.409.

A site reconnaissance inspection was conducted at 1:45 p.m. on November 14, 1989 by Greg Dunn, Ken Corkill and Hernando Albarracin of the Illinois EPA. (No site representatives were contacted prior to or after the reconnaissance.) The facility is bordered by the Chicago, Rock Island and Pacific Railroad on the west, Burr Oak Avenue (127th Street) on the south and Winchester Road on the east. The large area behind Airline Towing (once used as an illegal dump) was graded and partially fenced. The fence did not surround the entire facility and was observed to be in disrepair in some places along Winchester Road. A gate deters access directly into

Airline Towing's property, with the fence (the fence in this area was in good shape) surrounding the east, south and west sides of the buildings. Run-off from the site would flow into a small ditch that runs parallel to the railroad tracks. This ditch does not flow off-site into any surface water.

The geology of the area consists of drift from the surface to 70 feet deep, with Silurian Dolomite (Niagaran and Alexandrian Series) from 70 feet to 430 feet below surface. This dolomite is underlain by the Ordovician aged rocks of the Maquoketa Shale, Galena-Platteville Limestone, St. Peter Sandstone and Prairie du Chien Limestone. The Ordovician age rocks are underlain by the Cambrian age rocks of the Potsdam Sandstone Megagroup, which is the main water-bearing formation (see well logs reference 9).

Private wells in the area of the Chicago Copper and Chemical Company obtain water from the Silurian Dolomite aquifer at depths between 70 and 220 feet deep. The private wells serve approximately 27 people, with the closest well 2.1 miles south southwest of the site. The Chicago Copper and Chemical Company did have a well on-site for use in their operations. The well was drilled in the early 1890's to a depth of 1450 feet, with the well cased to a depth of 48 feet. The location of the well has not been found and the outcome (if the well was properly abandoned) of the well has not been determined. There are no surface water routes available for the migration of contaminants, with surface water run-off flowing into a railroad ditch. Airborne contamination is a route of concern due to the results of soil samples indicating certain heavy metals on the surface. Direct contact by neighborhood children (numerous apartment buildings are on the east side of the facility) is likely because the fence does not entirely surround the facility. Due to the proximity of the private wells, the potential for airborne contaminants and the distance to a residential neighborhood, a medium priority is recommended for this site.



L0310420002

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D 984774968

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

(01)

Chicago Copper & Chemical Company

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

Intersection of Winchester Rd. and Burr Oak Ave.

03 CITY

Calumet Park

04 STATE

05 ZIP CODE

06 COUNTY

IL

60643

Cook

07 COUNTY CODE

031

08 CONG DIST

IL-02

09 COORDINATES

LATITUDE

LONGITUDE

41 39 48.8

087 40 13.2

Blue Island, ILL QUAD (55a)

10 DIRECTIONS TO SITE (Starting from nearest public road)

Take Interstate 57 to Burr Oak Ave. (127th street). Go west on 127th street. Site is on Northwest corner of 127th and Winchester Road. Now called Airline Towing.

III. RESPONSIBLE PARTIES

01 OWNER (if known)

J.R. Bramlett

02 STREET (Business, mailing, residential)

12658 Winchester

03 CITY

Calumet Park

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

IL

60643

(708) 597-0990

07 OPERATOR (if known and different from owner)

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE☐ D. COUNTY☐ E. MUNICIPAL☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001. DATE RECEIVED: MONTH DAY YEAR☐ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: MONTH DAY YEAR☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

☒ YES DATE 05/06/87
☐ NO MONTH DAY YEAR☐ A. EPA☐ B. EPA CONTRACTOR☒ C. STATE☐ D. OTHER CONTRACTOR☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1885

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Sludges (Toxic/Persistent)
Heavy Metals (Toxic/Persistent)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Groundwater (Environment)
Direct Contact (Population)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☒ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

J.R. Bramlett

02 OF (Agency/Organization)

Airline Towing

03 TELEPHONE NUMBER

(708) 597-0990

04 PERSON RESPONSIBLE FOR ASSESSMENT

Gregory W. Dunn

05 AGENCY

IEPA

06 ORGANIZATION

RPMS

07 TELEPHONE NUMBER

12171782-6761

08 DATE

01/08/90

MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D 984774968

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: ≈ 30

04 NARRATIVE DESCRIPTION

Groundwater is obtained from the Niagaran Limestone, St. Peter Sandstone, Prairie du Chen limestone and "Potsdam" group. Most wells are cased to the limestone (Niagaran) and are open to the formation used for withdrawing water. Chicago Copper and Chemical did have a well that may not be abandoned properly, creating a conduit for contaminants.

01 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☒ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 10,511

04 NARRATIVE DESCRIPTION

Site is not entirely fenced, thus allowing direct contact by nearby residents to waste on-site.

01 ☒ F. CONTAMINATION OF SOIL

02 ☒ OBSERVED (DATE: 1987) ☐ POTENTIAL ☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: 0.10
(ACRES)

04 NARRATIVE DESCRIPTION

A waste pile approximately 30 yards by 15 yards was found on the southeast corner of the site. The samples taken indicated Copper, Lead and Barium in excess of background or E.P. Tox concentrations.

01 ☒ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: ≈ 30

04 NARRATIVE DESCRIPTION

See "A" above. Approximately 11 homes within four miles obtain water from the Niagaran Limestone ranging from 17 feet to 220 feet. The rest of the people obtain water from Lake Michigan.

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

None documented or observed.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D 984774968

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION
None documented or observed.

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None documented or observed.

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None documented or observed.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

None documented or observed.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None documented or observed.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None documented or observed.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

See "F".

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 10,511

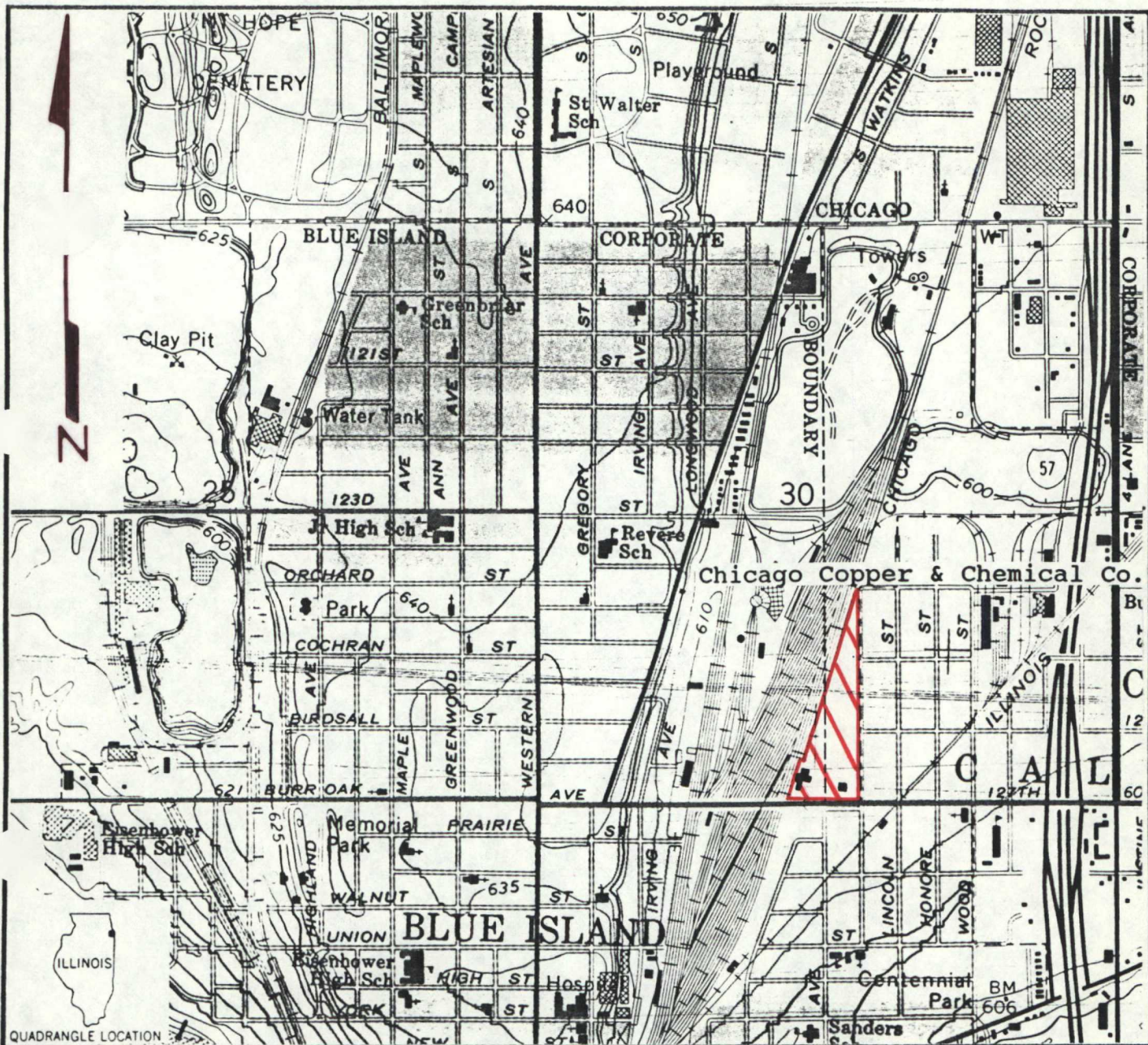
IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

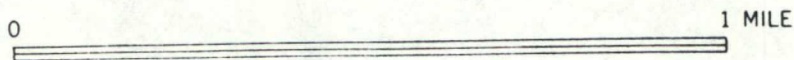
ILLINOIS EPA Land Files
Visual Site Inspection on 11-14-89
ISWS Well Logs
ISGS Bulletin 34



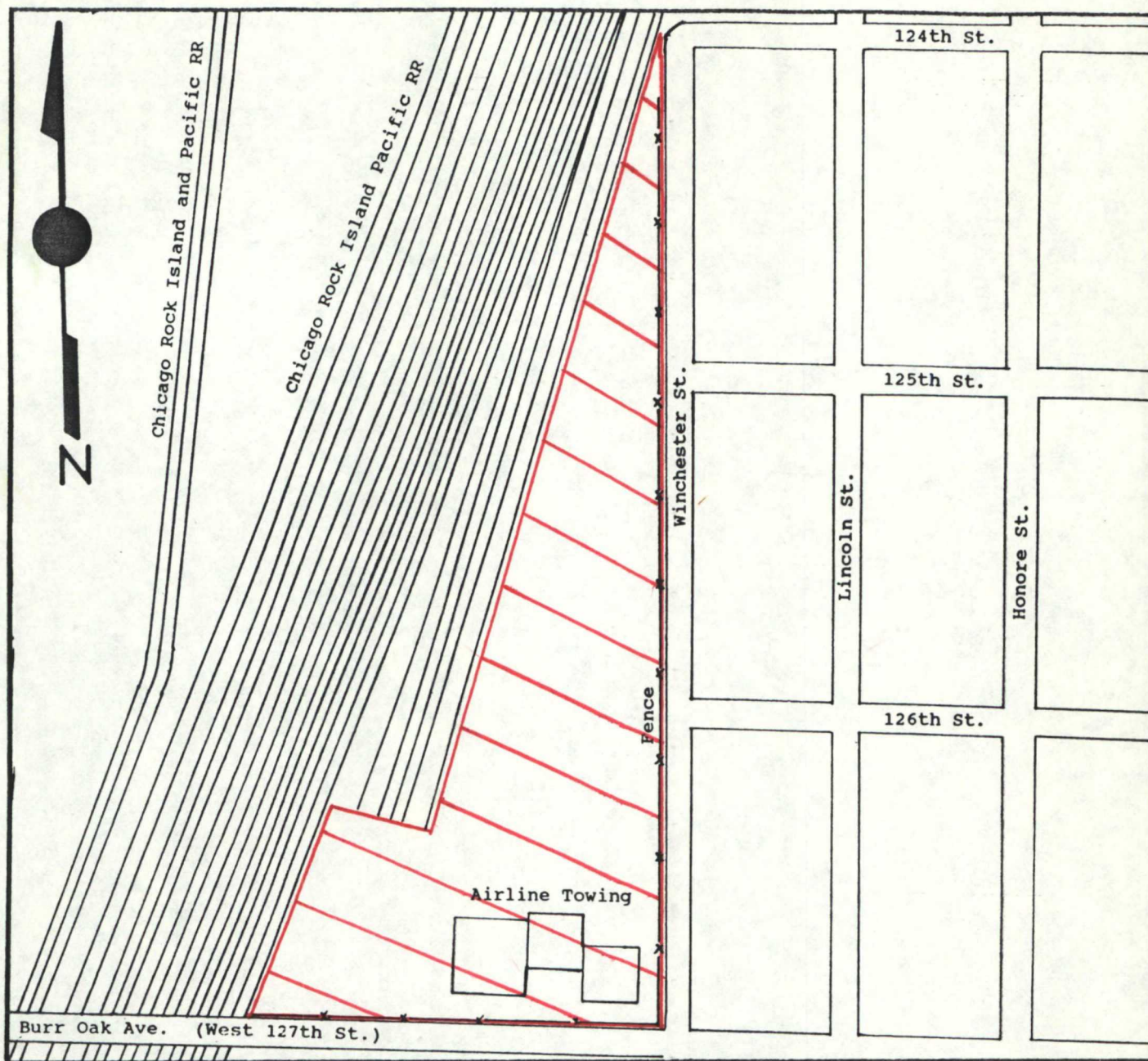
SITE LOCATION



SOURCE: IEPA, 1989. BASE MAP: USGS 1973 Blue Island, IL 7.5 Minute Quadrangle.



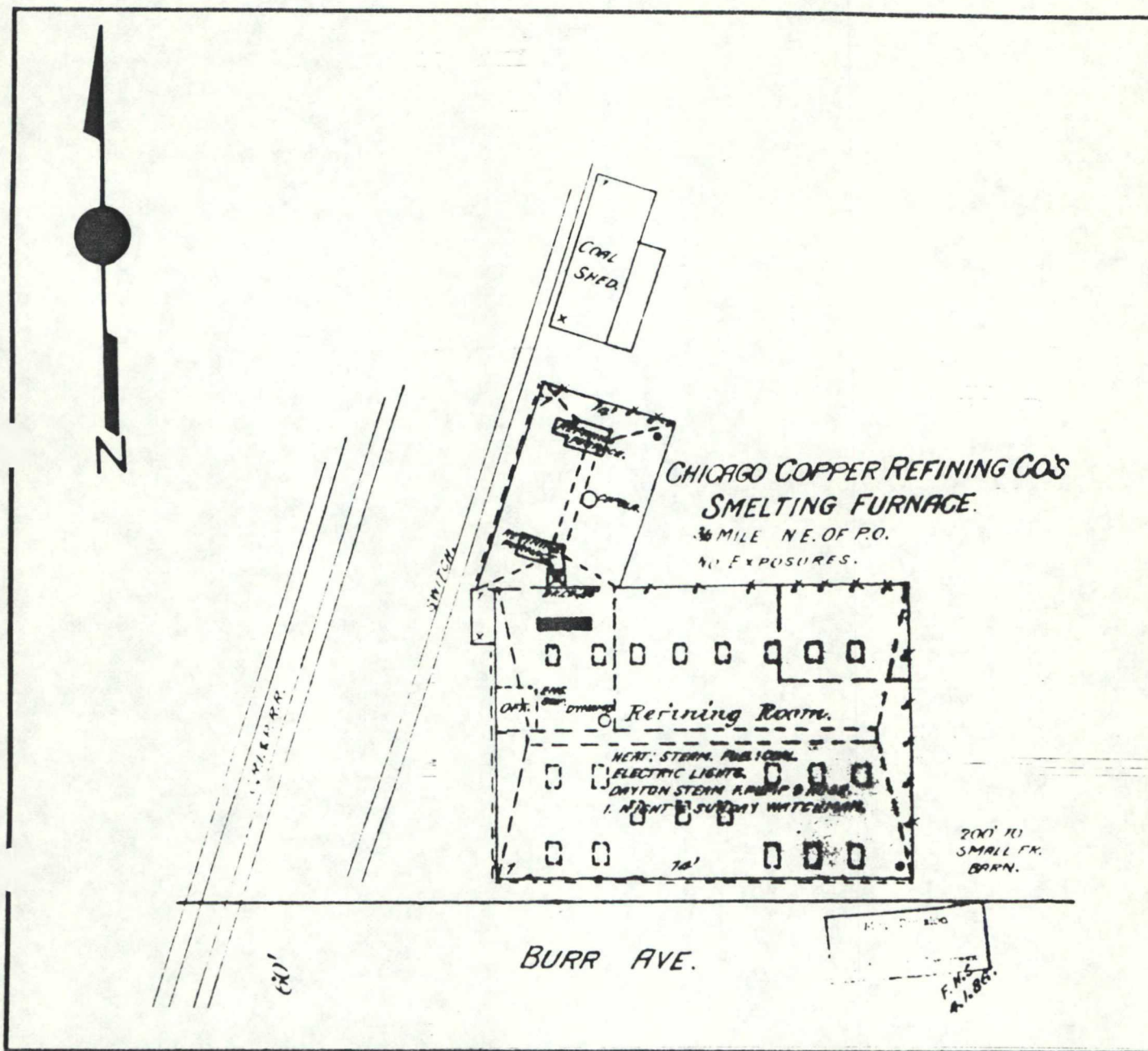
SITE FEATURES



SOURCE: IEPA, 1989. BASE MAP: USGS 1973 Blue Island, IL 7.5 Minute Quadrangle.

Approximate Scale 1" = 300'

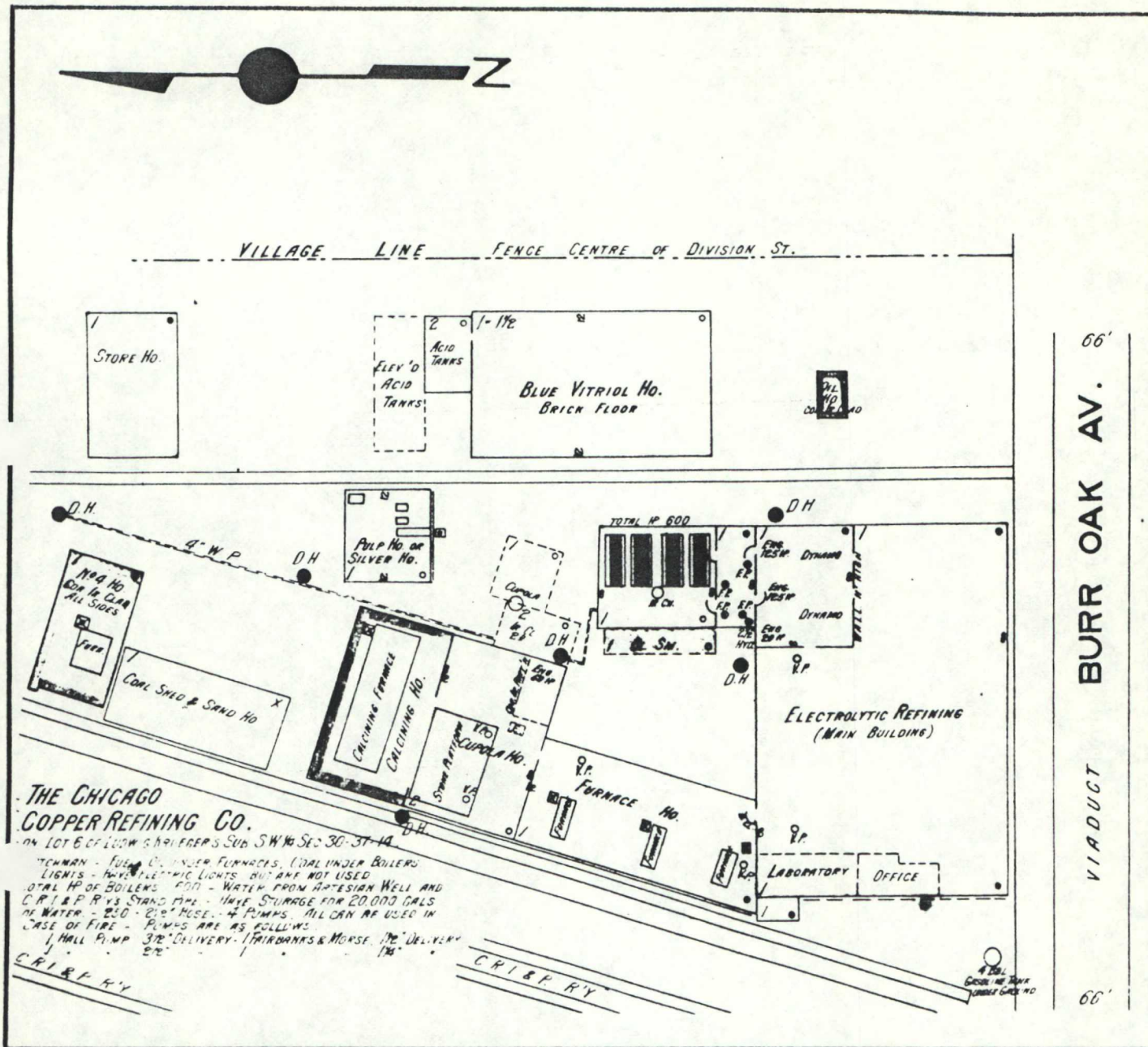
SITE MAP



SOURCE: IEPA, 1989. BASE MAP: Sanborn Map, 1886.

Approximate Scale 1" = 60'

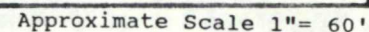
1886 SANBORN FIRE INSURANCE MAP



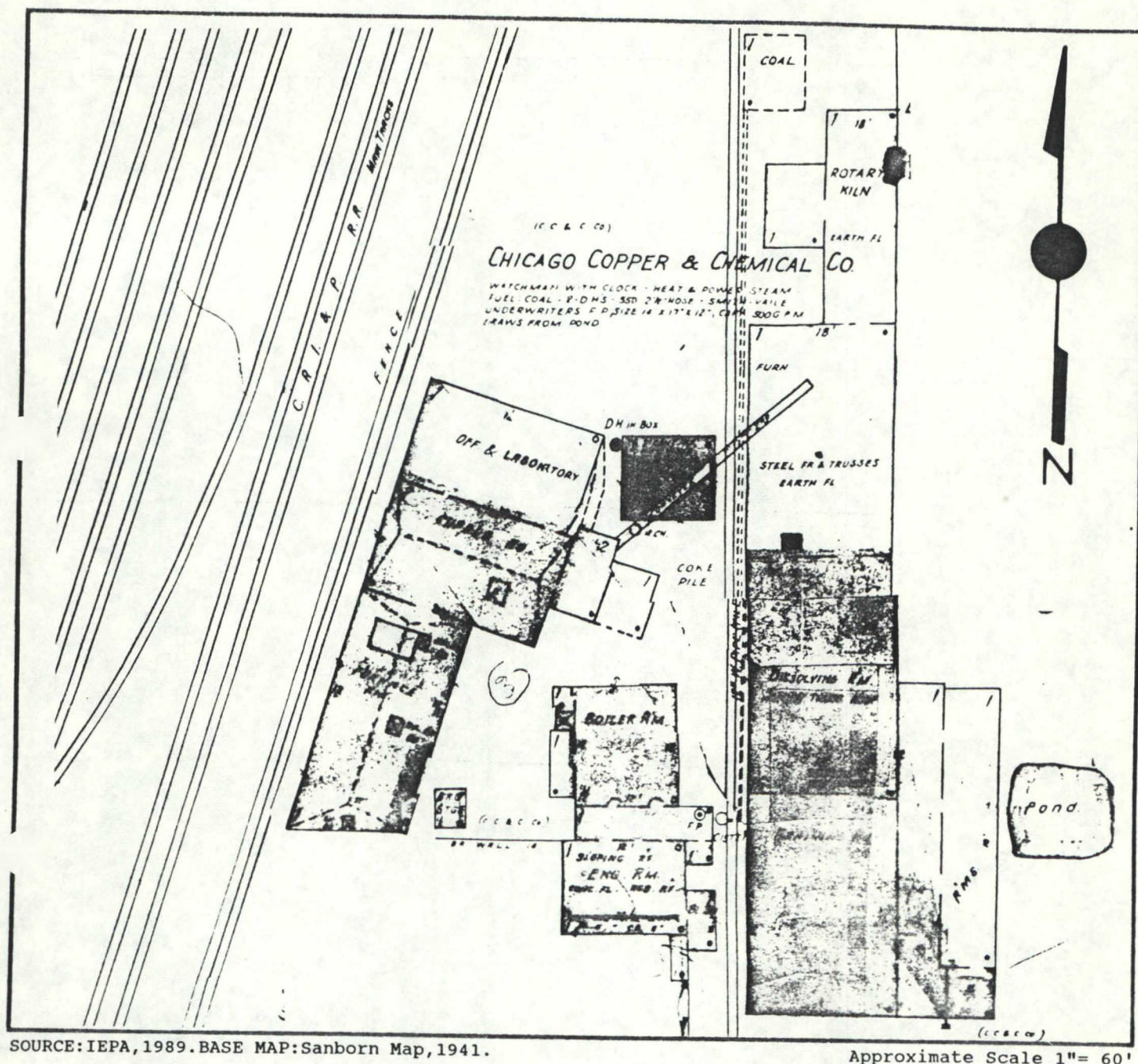
SOURCE: IEPA, 1989. BASE MAP: Sanborn Map, 1897

Approximate Scale 1" = 62'

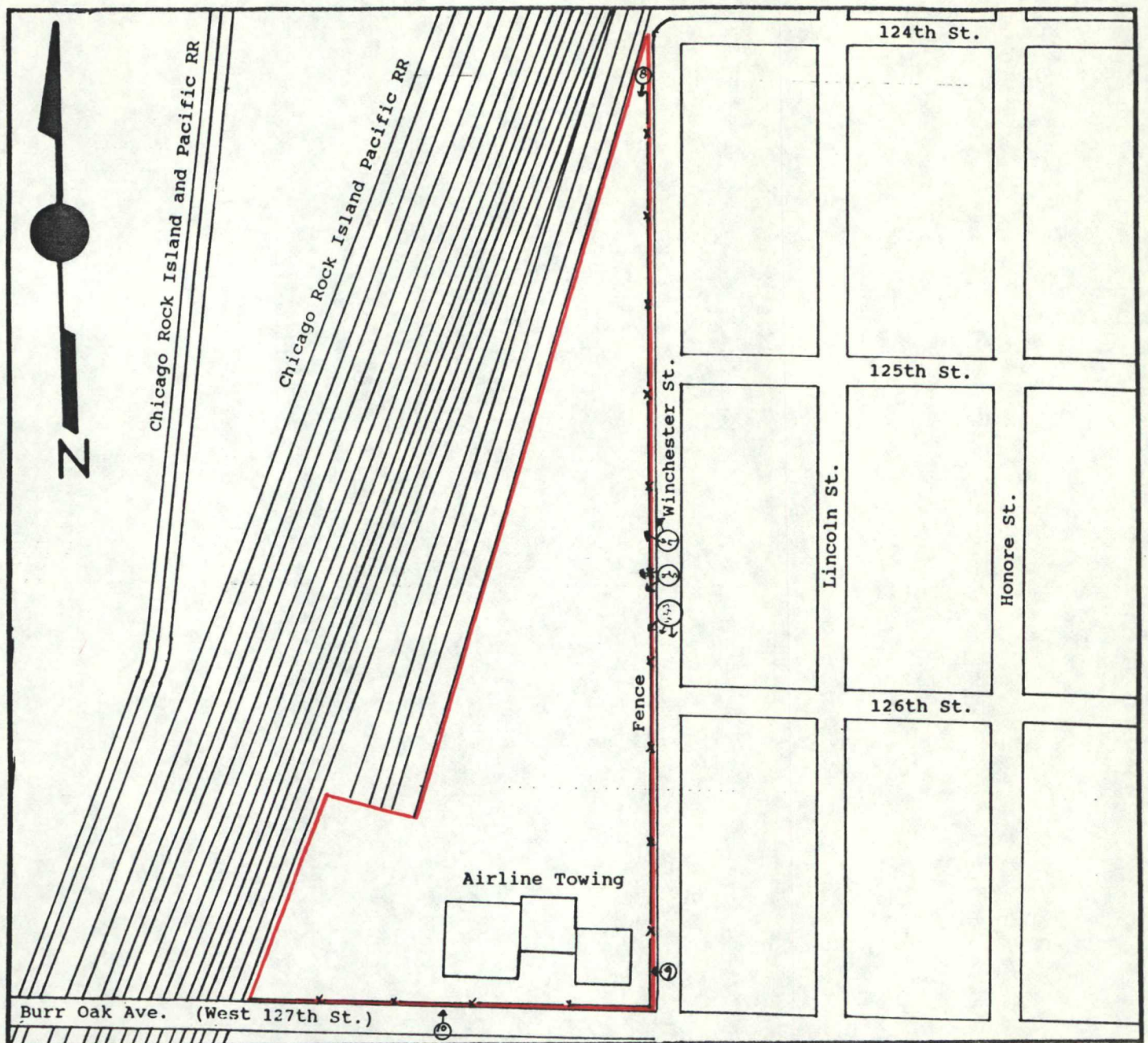
1897 SANBORN FIRE INSURANCE MAP



1911 SANBORN FIRE INSURANCE MAP



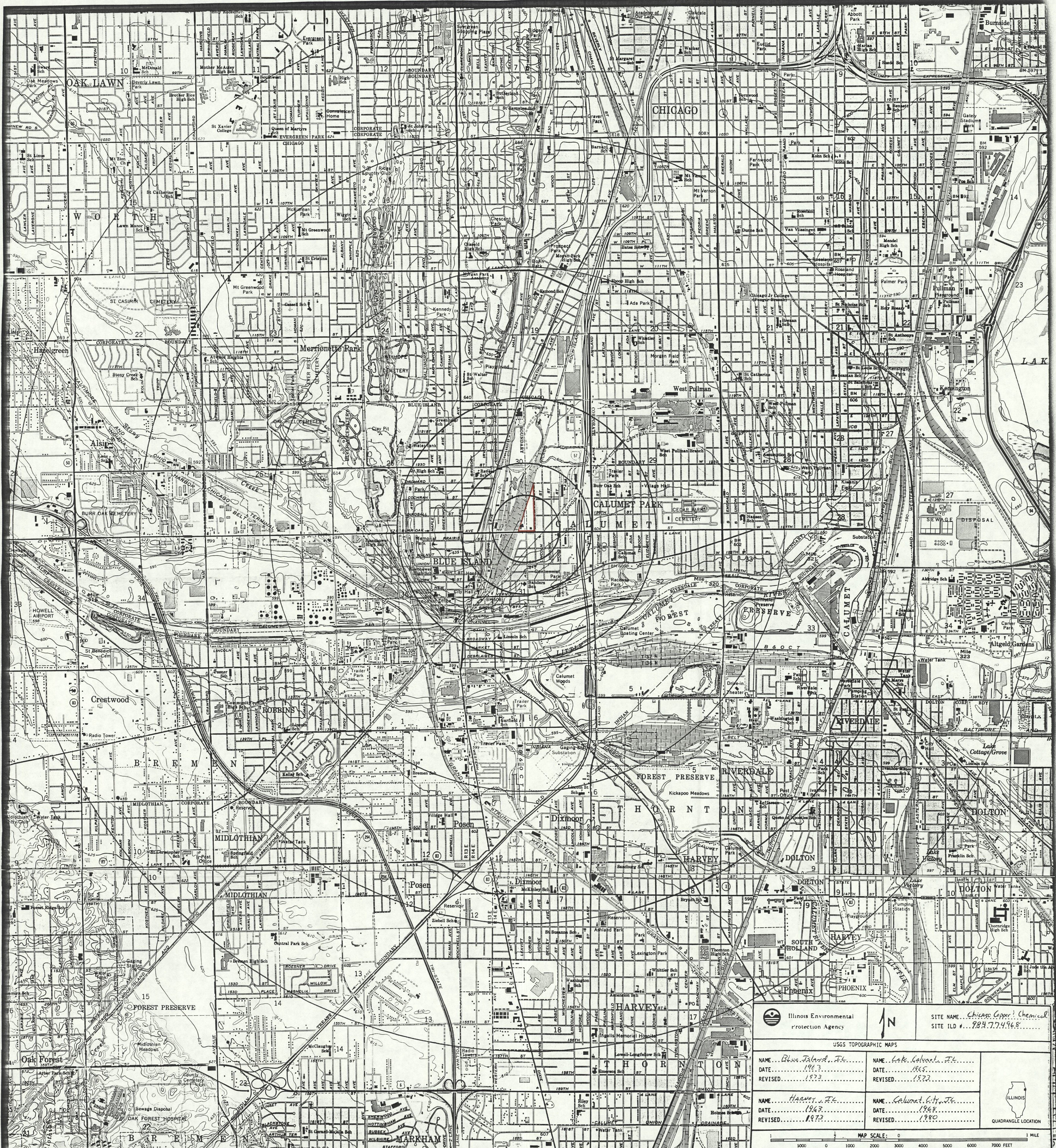
1941 SANBORN FIRE INSURANCE MAP



SOURCE: IEPA, 1989. BASE MAP: USGS 1973 Blue Island, IL 7.5 Minute Quadrangle.

Approximate Scale 1" = 300'

PHOTOGRAPH LOCATION MAP



Illinois Environmental Protection Agency		SITE NAME: <i>Chicago Copper Chemical</i> SITE ID: <i>884.7.74.968</i>	
USGS TOPOGRAPHIC MAPS			
NAME: <i>Blue Island, Ill.</i>		NAME: <i>Lake Calumet, Ill.</i>	
DATE: <i>1963</i>		DATE: <i>1965</i>	
REVISED: <i>1973</i>		REVISED: <i>1972</i>	
NAME: <i>Harvey, Ill.</i>		NAME: <i>Calumet City, Ill.</i>	
DATE: <i>1963</i>		DATE: <i>1968</i>	
REVISED: <i>1973</i>		REVISED: <i>1980</i>	
QUADRANGLE LOCATION			
MAP SCALE: 0 1000 2000 3000 4000 5000 6000 7000 FEET			

DATE: November 14, 1989

TIME: 1:45 p.m.

Photograph by:

Greg Duval

Location: 2031042 0002 -- Cook Co.

Chicago Copper & Chemical

ILD 984774968

Comments: Picture taken toward

South, south southwest and

Southwest at the area behind

facility

1, 2, 3

DATE: _____

TIME: _____

Photograph by:

Location: _____

Comments: Picture taken toward



DATE: November 14, 1989

TIME: 1:45 pm

Photograph by:

Greg Dunn

Location: 60310420002 -- Cook Co.

Chicago Copper & Chemical

ILD 984774968

Comments: Picture taken toward

west and west northwest

at the area behind the

city.

4.5

DATE: _____

TIME: _____

Photograph by:

Location: _____

Comments: Picture taken toward



DATE: November 14, 1989

TIME: 1:45 pm

Photograph by:

Greg Dunn

Location: LO310420002 -- Lock 6.

Chicago Copper & Chemical

ILD 984774968

Comments: Picture taken toward

Northwest and north at
the area behind the facility.

6,7

DATE: _____

TIME: _____

Photograph by:

Location: _____

Comments: Picture taken toward



DATE: November 14, 1989

TIME: 1:50 pm

Photograph by:

Greg Dunn

Location: L0310420002 -- Cook Co.

Chicago Copper Chemical

ILD 984774968

Comments: Picture taken toward

South at the area behind

the facility, where pond and

old waste pile were located

8



DATE: November 14, 1989

TIME: 1:55 pm

Photograph by:

Greg Dunn

Location: L0310420002 -- Cook Co.

Chicago Copper Chemical

ILD 984774968

Comments: Picture taken toward

West at front gate of

current owner of property.

9



DATE: November 14, 1989

TIME: 2:00 pm

Photograph by:

Greg Dunn

Location: L0310920002 -- Cack Co.

Chicago Copper & Chemical

ILD 984774968

Comments: Picture taken toward

North at the garage area
of the current owner

10



DATE: _____

TIME: _____

Photograph by:

Location: _____

Comments: Picture taken toward

NO
Picture

Supporting Documentation

REFERENCE SHEET

- Reference 1 Statement of Incorporation filed December 23, 1911.
- Reference 2 Articles of Incorporation filed January 8, 1912.
- Reference 3 Illinois State Water Survey, 1943 Bulletin 35, Ground Water Supplies of the Chicago-Joliet-Chicago Heights Area, p.102.
- Reference 4 IEPA Inspection conducted May 6, 1987.
- Reference 5 Soil analyses from May 6, 1987 sampling.
- Reference 6 Title Search on Chicago Copper and Chemical Company, October 10, 1988.
- Reference 7 IEPA Inspection conducted May 24, 1989.
- Reference 8 IEPA Inspection conducted on October 3, 1989.
- Reference 9 Well logs from the area.
- Reference 10 Telephone conversation with Gary Kozlowski, water operator for Blue Island, Illinois on January 16, 1990.

REFERENCE NUMBER

11

State of Illinois,

SS.

Cook County.

4500

12
33
11

157

To JAMES A. ROSE, Secretary of State:

We, the undersigned,

Winthrop Coolidge,
Charles R. Foster and
Frank A. Simmons

propose to form a corporation under an act of the General Assembly of the State of Illinois entitled
"An Act Concerning Corporations," approved April 18, 1872, and all acts amendatory thereof:
and that for the purposes of such organization we hereby state as follows, to-wit:

1. The name of such corporation is

Chicago Copper
and Chemical Company

2. The object for which it is formed is

the buying, selling,
dealing in, refining, manufacturing,
and treatment of ores, metals, alloys,
minerals and chemicals

3. The capital stock shall be

one hundred and fifty thousand dollars

4. The amount of each share is

one hundred dollars

5. The number of shares

fifteen hundred

6. The location of the principal office is in

Chicago

in the

County of Cook

State of Illinois.

7. The duration of the Corporation shall be

Ninety-nine

years.

Winthrop Coolidge

Charles R. Foster

Frank A. Simmons

STATE OF ILLINOIS,

68.

County of Cook

I, John P. Ahrens, a Notary Public in and for

the _____ County and State aforesaid, do hereby certify that

on this 20th day of December A. D. 1911, personally appeared

before me Winthrop Coolidge, Charles R. Foster

and Frank Simmons

to me personally known to be the same persons who executed the foregoing statement, and severally acknowledged that they had executed the same for the purposes therein set forth.

In Witness Whereof, I have hereunto set my hand and seal, the day and year above written.

John P. Ahrens
Notary Public.

Chicago Leapers
Chemical Company

STATEMENT OF INCORPORATION

FILED

DEC 28 1911

James P. Ahrens
NOTARY PUBLIC
STATE OF ILLINOIS

W. E. Oile & Co., Stationers and Printers, Chicago

John P. Ahrens
210 * 7th St. W. Wash.
Chicago

REFERENCE NUMBER #2

Articles of Incorporation

of

*Chicago Copper and
Chemical Company
Mfg*

Box 1188 No. 72856

FILED

JAN

1912

James O. B. Co.
STATE

415

(1358-3M) 2 G2216

STATE OF ILLINOIS

Department



of State

JAMES A. ROSE, Secretary of State

To All to Whom these Presents Shall Come.—GREETING:

WHEREAS, a **STATEMENT**, duly signed and acknowledged, has been filed in the office of the Secretary of State, on the 22nd day of December, A. D. 1911, for the organization of the

Chicago Copper and Chemical Company

under and in accordance with the provisions of "AN ACT CONCERNING CORPORATIONS," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which statement is hereunto attached:

AND WHEREAS, a **LICENSE** having been issued to Winthrop Seabridge
Charles R. Foster and
Frank R. Simmons

as Commissioners to open books for subscription to the Capital Stock of said Company;

AND WHEREAS, the said Commissioners have, on the 5th day of January, A. D. 1912, filed in the office of the Secretary of State, a report of their proceedings under the said License, a copy of which report is hereunto attached:

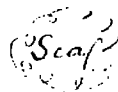
Now, Therefore, I, JAMES A. ROSE, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby certify that the said

Chicago Copper and Chemical Company

is a legally organized Corporation under the laws of this State

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this 5th day of January, A. D. 1912, and of the Independence of the United States the one hundred and 36th



James A. Rose
Secretary of State.

STATE OF ILLINOIS

Department



of State

JAMES A. ROSE, Secretary of State

To All To Whom These Presents Shall Come---Greeting:

Whereas, It being proposed by the persons hereinafter named to form a Corporation under an Act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Corporations," approved April 18, 1872, in force July 1, 1872, and the amendments thereto, the object and purposes of which corporation are set forth in a statement duly signed and acknowledged according to law, and this day filed in the office of the Secretary of State.

Now, Therefore, I, James A. Rose, Secretary of State of the State of Illinois, by virtue of the power vested in and the duties imposed upon me by law, do hereby authorize, empower and license

WINTHROP COOLIDGE,

CHARLES R. FOSTER and

FRANK A. SIMMONS,

the persons whose names are signed to the before-mentioned statement, as Commissioners to open books for subscription to the Capital Stock of

CHICAGO COPPER AND CHEMICAL COMPANY,

such being the name of the proposed corporation, as contained in the statement, at such times and places as the said Commissioners may determine.

In Testimony Whereof, I hereto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this 23rd

day of December A. D. 1911, and of the

Independence of the United States the one hundred and 36th.

(SEAL)

(002)

JAMES A. ROSE,
Secretary of State.

To JAMES A. ROSE,

Secretary of State of the State of Illinois:

The Commissioners, duly authorized to open Books of Subscription to the Capital Stock of
Chicago Copper and Chemical Company

pursuant to license heretofore issued, bearing date the 23rd day of December
A. D. 1911, do hereby report that they opened books of Subscription to the Capital Stock of
said Company, and that the said Stock was fully subscribed; that the following is a true copy of
such subscription, viz:

We, the undersigned, hereby severally subscribe for the number of shares set opposite our
respective names, to the Capital Stock of Chicago Copper and Chemical Company

and we severally agree to pay the said Company, for each share, the sum of ~~DOLLARS~~
One Hundred Dollars.

NAME	SHARES	AMOUNT
Winthrop Coolidge	948	\$94800 00
F. H. Griggs	}	\$33000 00
Thomas W. Griggs		
Charles R. Foster	1	\$ 100 00
Frank A. Simmons	1	\$ 100. 00
	1500	150000

Amount of capital stock actually paid in - - \$ 150000.00

Amount of capital stock not paid in -None - - \$

Stock subscribed and not paid, disposed of as follows: None

Amount of Capital Stock actually paid in in cash 200.00

Capital paid in property appraised as follows:-

A secret process of manufacturing Barium Hydrate
and processes of manufacturing other Barium Compounds and
processes of smelting and refining metals, ores and alloys
and materials on hand possessed by Winthrop Coolidge, and the
good will of the said Winthrop Coolidge in the business of
manufacturing, selling and dealing in the products thereof,
appraised at - - - - - \$94500.00

The undivided one half of that certain tract or
parcel of real estate situated in the County of Cook
and State of Illinois, particularly described as
follows, to wit: The undivided one half of that part
of Lot Six (6) lying East of the Chicago Rock Island
& Pacific Railroad ground in Ludwig Krueger's
subdivision of the East half of the South West
quarter and Lots Five (5) and Six (6) of the West
half of the South West quarter of section Thirty (30)
Township Thirty-seven (37) North, of Range Fourteen (14)
East of the Third (3rd) Principal Meridian, together
with an undivided half of all the buildings,
machinery, smelting furnaces, electrical apparatus
and other appliances and fixtures, comprising a
copper refining plant and a plant for manufacturing
Barium Hydrate and other barium Compounds and for
smelting and refining, treating and manufacturing
ores, metals, alloys, minerals and chemicals,
erected and situated on said real estate, said
undivided half appraised at - - - - - \$35000.00

That on the 6th day of January A. D. 1912, at Room No. 810 No. 74 W. Washington Street, Chicago Illinois, at the hour of 10 o'clock A. M., they convened a meeting of the subscribers aforesaid, pursuant to notice required by law, which said notice was deposited in the postoffice, properly addressed to each subscriber, ten days before the time fixed therein, a copy of which said notice is as follows, to-wit:

To

You are hereby notified that the Capital Stock of Chicago Copper and Chemical Company has been fully subscribed, and that a meeting of the subscribers of such stock will be held at Room No. 810 No. 74 W. Washington Street, Chicago, Illinois, on the 3th day of January A. D. 1912, at 10 o'clock A. M., for the purpose of electing a Board of Directors for said Company and for the transaction of such other business as may be deemed necessary.

Signed,

Winthrop Coolidge

Charles R. Foster

Frank A. Simmons.

Commissioners.

That said subscribers met at the time and place in said notice specified, and proceeded to elect Directors and that the following persons were duly elected for the term of one year, viz:

Thomas W. Griggs

W. E. Coolidge

Winthrop Coolidge

Charles R. Foster

Frank A. Simmons

And that the postoffice address of the business office of said Company is at ^{Room} Number 614 No. 111

W. Jackson Boulevard Street in the City of Chicago in the County of Cook and State of Illinois.

Winthrop Coolidge
Charles R. Foster
Frank A. Simmons

Commissioners.

County ofCook

Winthrop Coolidge, Charles R. Foster and Frank A. Simmons.

John P. Thomas, Notary Public.

FILED
JAN 3
1912
James H. [illegible]

[illegible]

COOK COUNTY TOWNSHIP 37 NORTH; RANGE 14 EAST

Section	29	30	32	33
Owner	Whitman & Barnes Mfg. Co.	Chicago Copper & Chemical Co.	Calumet Park	Riverdale-City Well
Location	1210'W-810'S of NE. Sec. Cor. 120th St. between Morgan & Racine	2500'E-250'N of SW. Sec. Cor.	2050'W-1130'S of NE. Sec. Cor.	
Driller	J. P. Miller Co.		C. E. Kramer	
Date Drilled	1893	1891		1902
Depth	1308'	1449'	99'	430'
Diameter		6"		12" top-8" bottom
Status		In use	In use	Retired ('21)
S. L. Elevation				
Ground		608'	601'	601'
Static Max.			579'	568 ('21)
Static Min.				586 ('10)
Av. G. P. D.				
Yield g. p. m.				120 (test)
Drawdown				
Date				1902
Use				City water
Analysis No.		27954		30853
Remarks		45' of casing (6") Rock at 40'	*(266)	(257)

102

TOWNSHIP 38 NORTH; RANGE 12 EAST

Section	1	1	1	1	non responsive	non responsive	1
Owner		McBride Woods	McBride Woods	Cermak Park			L. H. Warren & Son
Location	450'W-2350'N of SE. Sec. Cor. Ed Gutzler	600'W-2000'S of NE. Sec. Cor. Ed Gutzler	1150'W-2400'N of SE. Sec. Cor. Ed Gutzler	2150'E-700'S of NW. Sec. Cor. Ed Gutzler			7700 Joliet Road, Lyons
Driller							
Date Drilled							
Depth	176'	66'	80'	200'			50'
Diameter							
Status	In use	In use	In use	In use			In use
S. L. Elevation							
Ground	608'	608'	606'	603'			
Static Max.							
Static Min.							
Av. G. P. D.	400	400	400	400			500
Yield g. p. m.							
Drawdown							
Date							
Use	General	General	General	General			Greenhouse
Analysis No.							90021
Remarks	26' of casing	25' of casing	68' of casing	2' of casing			

TOWNSHIP 38 NORTH; RANGE 12 EAST—Continued

Section	1	4	4
Owner	L. H. Warren & Son	North Shore Electric Co.	Western United Gas & Electric Co.
Location	7700 Joliet Road, Lyons	130 S. Stone St., LaGrange	200'W-450'N of SE. Sec. Cor.
Driller			
Date Drilled			
Depth	100'		
Diameter			
Status	In use		
S. L. Elevation			
Ground		2024'	790'
Static Max.		In use	In use
Static Min.			628'
Av. G. P. D.	500		
Yield g. p. m.		50,000	50,000
Drawdown			
Date			
Use	Greenhouse		
Analysis No.	90022		
Remarks		15475	Boilers

TOWNSHIP 38 NORTH; RANGE 12 EAST—Continued

Section	non responsive	5	non responsive
Owner		Jim Masck	
Location		2500'E-1200'N of SW. Sec. Cor.	
Driller			
Date Drilled			
Depth		125'	
Diameter			
Status		In use	
S. L. Elevation			
Ground		667'	
Static Max.			
Static Min.			
Av. G. P. D.		400	
Yield g. p. m.			
Drawdown			
Date			
Use		Farm	
Analysis No.			
Remarks		56' of casing Rock at 56'	

103

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
INSPECTION REPORT

REFERENCE NUMBER 14

USEPA Number: NON-NOTIFIER

IEPA Number: 031042000

Facility Name: AIRLINE TOWING INC.

Street: 12658 WINCHESTER

City: CALUMET PARK

Telephone: (312) 597-0990

County: COOK

State: IL Zip Code: 60643

Type of Facility: Notified As: NON FILER Regulated As: TBD Gen (ASBESTOS)
LDF? yes TBD no HPV? yes TBD no 90 Day Follow-up Required? yes TBD no no

Region: II Date of Inspection: 5/6/87 From: 2:15 P.M. to 3:30 P.M.
Weather (LDF Only): 65° SUNNY

Type of Inspection

ISS: ✓ Sampling: Citizen Complaint: Closed: Withdrawal:
Record Review: Follow-up to Inspection of : Other:

Non Regulated Status

Small Quant. Gen.: Claimed Nonhandler: Other (Specify in narrative):

Notified As/Regulated As Matrix Number: 44 Key Letter: E

Notification date, NON-NOTIFIER from initial or subsequent notification.

Part A date, NONE, from initial or amended Part A:

Part B permit application submitted? yes no ✓

Has the firm been referred to: USEPA? yes no ✓; IAG? yes no ✓; Count
States Attorney? yes no ✓ Date of referral to USEPA: NA,
IAG: NA, County States Attorney: NA.

Federal Court Order Issued: NA State Court Order Issued: NA

USEPA Compliance Order Issued: NA Illinois PCB Order Issued: NA

TSD Facility Activity Summary

Activity (By Process Code)	On Pt A	Activity Conducted Prior to 1980	Was Activity Ever Done	Closed	Being Done at Time of Inspection	Exempt From Regulation per 35 IAC, Section:	On Annual Report For 8/85/84
<u>S03</u>	<u>N</u>	<u>N?</u>	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>	<u>N N N</u>
<u>D80</u>	<u>N</u>	<u>?</u>	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>N</u>	<u>N N N</u>

RECEIVED

MAY 3 0 1987

IEPA-DLPC

Operator: J. R. BRAMLETTTelephone #: 597-0990Street: 12658 WINCHESTERCity: CALUMET PARKState: ILZip Code: 60643Owner: J. R. BRAMLETTTelephone #: 597-0990Street: 12658 WINCHESTERCity: CALUMET PARKState: ILZip Code: 60643

Person Interviewed

Title

Telephone #

J. R. BRAMLETT597-0990

Inspection Participants

Agency/Title

Telephone #

GINO BRUNIIEPA/EPs345-9780TODD MARVELIEPA/LSCT345-9780

Prepared By

Agency/Title

Telephone #

GINO BRUNI/TODD MARVELIEPA/EPs345-9780

Summary of Apparent Violations

Area | Class | Section

OTH	I	722.111

Area | Class | Section

Area | Class | Section

RECEIVED

MAY 20 1987

IEPA-DLPC

WASTE DISPOSITION FORM

Facility Name: AIRLINE TOWING INC. USEPA #: NON-NOTIFIER IEPA #: 0310420002

[illegible]

* All "no" responses must be explained in the narrative

0310420002 - COOK - CALUMET PARK

AIRLINE TOWING INC.

5-6-87

RAILROAD
C. R. J.
&
P. R. R.
C. O.

125TH ST.

TIRES & WOOD

CONCRETE
FILL

WASTE PILE

02102
02103
02104

126TH ST.

FENCE

AIRLINE
TOWING
INC.

AIRLINE
TOWING
INC.

127TH ST.

ROAD

RECEIVED

MAY 30 1987

DEPA-DLPC

N

WINCHESTER

RECEIVED

NARRATIVE

MAY 30 1987

IEPA-DLPC'

STOPPED AT SITE TO INVESTIGATE COMPLAINT (CB7-199) CONCERNING WASTE PILE OF POSSIBLY HAZARDOUS WASTE BEING GRADED DOWN. THIS IS THE FORMER LOCATION OF COPPER CHEMICAL COMPANY. THE BUILDING NO LONGER EXISTS AND THE FOUNDATION AND VACANT PROPERTY IS BEING COVERED WITH DEBRIS. NO ONE WAS ON SITE AND THE AREA WAS ONLY PARTIALLY ENCLOSED. WE PROCEEDED ON SITE AND OBSERVED CONCRETE, WOOD AND TIRES. LARGE SLABS OF CONCRETE WERE OBSERVED UNCOVERED OVER THE MAJORITY OF THE SITE. SEVERAL TIRES WERE OBSERVED NEAR THE NORTHWEST CORNER ALONG WITH PIECES OF WOOD (SEE DIAGRAM AND PHOTOS).

A LARGE WASTE PILE OF SANDY/PEBBLE-LIKE MATERIAL WAS OBSERVED CONSISTING OF LAYERS OF COLORED MATERIALS (WHITE, YELLOW, ORANGE, RED, GRAY AND DARK GREEN). THIS PILE WAS APPROXIMATELY 30 YDS X 15 YDS AND APPROXIMATELY 12 FT. HIGH. THREE SAMPLES WERE TAKEN OF THE WASTE PILE AT VARIOUS LOCATIONS (SEE DIAGRAM AND PHOTOS). TESTS REQUESTED INCLUDE E.P. TOXICITY, TOTAL METALS (INCLUDING COPPER), PH AND THE RESULTS ARE PENDING AT THE CHICAGO LAB.

THE OWNER OF THE PROPERTY WHEN CONFRONTED WITH QUESTIONS REGARDING THE SITE, BECAME VERBALLY ABUSIVE AND STATED: "NOW GET THE [REDACTED] OUT."

SEE SOLID WASTE INSPECTION REPORT (5/16/87) FOR ORIGINAL PHOTOS.

NARRATIVE

THE FOLLOWING VIOLATIONS WERE OBSERVED:

1) 722.111 - REQUIRED DETERMINATION HAS NOT BEEN MADE.

IF THE DETERMINATION DISCLOSES THAT THE WASTE IS HAZARDOUS, AIRLINE TOWING WOULD BE IN VIOLATION OF APPLICABLE GENERATOR STANDARDS AND THE REQUIREMENTS OF PART 725.

RECEIVED

MAY 30 1987

EPA-DLPC

- (1) Soil
(2) Waste
(3) Other

Sampling Purpose 04
Program Code LP 42

Unit Code K

- 01 - Special Request
02 - Criminal Enforcement
03 - Emergency response
04 - Routine Sampling

C702273

Time Collected: ~ 3:00pm

SPECIAL ANALYSIS FORM

REFERENCE NUMBER **15**

Date Collected: 5-6-87

Date Received 5-7-87, 10:30AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

X 101

COOK

FILE HEADING: C87-199N-COOK.
CALUMET PARK/AIRLINE TOWING INC

FILE NUMBER:

C87-199N

SOURCE OF SAMPLE: (Exact Location) WASTE PILE LOCATED WEST OF
WINCHESTER RD. NORTH OF 127TH STREET. NORTH OF
AIRLINE TOWING INC. 12658 WINCHESTER, CALUMET PARK.
(597-0990)

PHYSICAL OBSERVATIONS, REMARKS: WHITEN YELLOW SANDY/PEBBLE LIKE
MATERIAL.

TESTS REQUESTED: E.P. TOX, TOT. METALS INCLUDE COPPER, PH
USE S.W. 846

COLLECTED BY: GIND BRUNI

TRANSPORTED BY: TODD MARVEL

LABORATORY

RECEIVED BY: JPB

DATE
COMPLETED:

DATE
FORWARDED: 7-17-87

pH final 5.0
Pb - < 0.05

initial 6.5

P. M. Karchuk

Ba - 0.2

Cr - 40.01

RESULTS EXPRESSED IN
MG/LITER UNLESS
OTHERWISE SPECIFIED.

Cd - < 0.005

Cu - < 0.01 pm

As - < 0.01

Hg - < 0.0001

Se - < 0.01

RECEIVED

JUL 21 1987

IFPA/DLPC

EP

IL 532-0314
LPC 8A 4/77

C702273

(NOT FOR DATA PROCESSING) **Environmental Protection Agency**
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C702273

SAMPLING POINT DESC. : COOK CO. CALUMET PK/AIRLINE TOWING X101

SUBMITTING SOURCE # :

DATE COLLECTED : 870506

SITE # : C87-199N

TIME COLLECTED : 1500

SAMPLING PROGRAM :

COLLECTED BY : GINO BRUNI

DELIVERED BY : TM

COMMENTS :

FUNDING CODE : LP42

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE : LPEP

SAMPLE PURPOSE CODE : 0

DATE RECEIVED : 870507

TIME RECEIVED : 1030

RECEIVED BY : LJP

LAB OBSERVATIONS :

REPORTING INDICATOR :

SUPERVISORS INITIALS : JWD

NOTE : K = LESS THAN VALUE

A10000 PH, FINAL TOX EXT UNITS : 5.0

A10000 PH, INITIAL TOX EX UNITS : 6.5

A14400 ARSENIC, EP TOX. MG/L : 0.01K

A14500 BARIUM, EP TOX MG/L : 0.2

600 CADMIUM, EP TOX. MG/L : 0.005K

A14700 CHROMIUM, EP TOX. MG/L : 0.01K

A14900 COPPER, EP TOXICITY MG/L : 10K

A15100 LEAD, EP TOXICITY MG/L : 0.05K

A15300 MERCURY, EP TOX. MG/L : .0001K

A15500 SELENIUM, EP TOX. MG/L : 0.01K

- (1) Soil
(2) Waste
(3) Other

Sampling Purpose 04
Program Code LP 42

Unit Code K

C702274

- 01 - Special Request
02 - Criminal Enforcement
03 - Emergency response
04 - Routine Sampling

Time Collected: ~3:00 P.M.

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 5-6-87

Date Received 5-7-87, 10:30 AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

03/0000000

COUNTY:

X 102

FILE HEADING: C87-199N-COOK

FILE NUMBER:

COOK

CALUMET PARK/AIRLINE TOWING INC.

C87-199N

SOURCE OF SAMPLE: (Exact Location) WASTE PILE LOCATED WEST OF
WINCHESTER RD. NORTH OF 127th ST. NORTH OF AIRLINE
TOWING INC. 12658 WINCHESTER, CALUMET PARK (597-0990)

PHYSICAL OBSERVATIONS, REMARKS: RUST + RED/DIAPHRAGM SANDY/PEBBLE-
LIKE MATERIAL

TESTS REQUESTED: E.P. TOX., TOT. METALS INCLUDE COPPER, PH
USE S.W. 846

COLLECTED BY: GINO BRUNI

TRANSPORTED BY: TODD MARVEL

LABORATORY

RECEIVED BY: *ASB*

DATE
COMPLETED:

DATE
FORWARDED: OCT. 27, 1987

pH final 5.1 initial 4.8

J. Jangherty

E.P. Toxicity

21

RECEIVED

Pb - <0.05

As

OCT 28 1987

Ba - 0.4

Se

IEPA/ULP

Cd - <0.005

Hg

Cr - <0.01

Cd <1.25

Please refer to LIMS

Cu 604 ppb 22.05

report sheet for

Ba - 10750.0

Complete results listing.

Pb - 137.5 mg/kg

Cu - 72.50 mg/kg

IL 532-0314
LPC 8A 4/77

C702274

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Sciences
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C702274

SAMPLING POINT DESC. : COOK-CAL. PARK/AIRLINE TOWING INC X102

SUBMITTING SOURCE # :

SITE # : C87-199N

DATE COLLECTED : 8/0506

TIME COLLECTED : 1500

SAMPLING PROGRAM :

COLLECTED BY : GINO BRUNI

DELIVERED BY : TM

COMMENTS :

FUNDING CODE : LP42

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE : LPEP

SAMPLE PURPOSE CODE : 0

REPORTING INDICATOR :

DATE RECEIVED : 8/0507

TIME RECEIVED : 1030

RECEIVED BY : LJP

LAB OBSERVATIONS :

TRIP SL SAM# :

SUPERVISORS INITIALS : JWD

NOTE : K = LESS THAN VALUE

A10000 PH/FINAL TOX EXT	UNITS : 5.1	A10000 PH/INITIAL TOX EX	UNITS : 4.3
A14400 ARSENIC/EP TOX.	MG/L : 0.01K	A14400 ARSENIC/SW846 MET	MG/KG : 8.2
A14500 BARIUM/EP TOX	MG/L : 0.4	A14500 BARIUM/SW846 MET	MG/KG : 10750
A14600 CADMIUM/EP TOX.	MG/L : 0.005K	A14600 CADMIUM/SW846 MET	MG/KG : 1.25K
A14700 CHROMIUM/EP TOX.	MG/L : 0.01K	A14700 CHROMIUM/SW846	MG/KG : 22.25
A14900 COPPER/SW846 MET.	MG/KG : 72.50	A15100 LEAD/EP TOXICITY	MG/L : 0.05K
A15100 LEAD/SW846 MET.	MG/KG : 137.5	A15300 MERCURY/EP TOX.	MG/L : .0001K
A15300 MERCURY/SW846 EQ.	MG/KG : 11.4	A15500 SELENIUM/EP TOX.	MG/L : 0.01K
A15500 SELENIUM/SW846	MG/KG : 1.0K		

Sampling Purpose 24

C702275

Program Code LP42

Time Collected: ~3:00 P.M.

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 5-6-87

Date Received 5-7-87, 10:30 AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND/NOISE POLLUTION CONTROL

X 103

COUNTY:

COOK

FILE HEADING: C87-199N-COOK

CALUMET PARK/AIRLINE TOWING INC.

03/0000000

FILE NUMBER:

C87-199N

SOURCE OF SAMPLE: (Exact Location) WASTE PILE LOCATED WEST OF WINCHESTER RD. NORTH OF 127th ST. NORTH OF AIRLINE TOWING INC. 12658 WINCHESTER, CALUMET PARK (597-0990)

PHYSICAL OBSERVATIONS, REMARKS: GRAY + DARK GREEN SANDY/PEBBLE-LIKE MATERIAL

TESTS REQUESTED: E.P. TOX., TOT. METALS INCLUDE COPPER, PH, USE S.W. 846

COLLECTED BY: GINO BRUNI

TRANSPORTED BY: TODD MARUEL

LABORATORY

RECEIVED BY: LP Parker

DATE COMPLETED:

DATE FORWARDED: OCT. 27, 1987

pH final 5.2

initial 9.6

Paugherty

E.P. Toxicity:

P₁:

Pb - < 0.05

Pb - 2350.0 mg/kg

Cd - < 0.005

Cd - < 1.25 mg/kg

Cr - < 0.01

Ba - 74000.0 mg/kg

Ba - 1036 mg/L

Cu - 112.50 mg/kg

Cr - 11.25 mg/kg

RECEIVED

Please refer to LIMS report sheet for complete results listing.

OCT 28 1987

IEP

IL 532-0314
LPC 8A 4/77

C702275

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2101 W. Maple Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C702275

SAMPLING POINT DESC. : COOK CO./CAL.PK./AIRLINE TOWING X103

SUBMITTING SOURCE # :

SITE # : C87-199N

DATE COLLECTED : 870506

TIME COLLECTED : 1500

SAMPLING PROGRAM :

COLLECTED BY : GINO BRUNI

DELIVERED BY : TM

COMMENTS :

FUNDING CODE : LP42

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE : LPEP

SAMPLE PURPOSE CODE : 0

REPORTING INDICATOR :

DATE RECEIVED : 870507

TIME RECEIVED : 1030

RECEIVED BY : LJP

LAB OBSERVATIONS :

TRIP BL SAM# :

SUPERVISORS INITIALS : JWD

NOTE : K = LESS THAN VALUE

A10000 PH/FINAL TOX EXT	UNITS : 5.2	A10000 PH/INITIAL TOX EX	UNITS : 9.6
A14400 ARSENIC/EP TOX.	MG/L : 0.01K	A14400 ARSENIC/SW846 MET	MG/KG : 3.6
A14500 BARIUM/EP TOX	MG/L : 7036.0	A14500 BARIUM/SW846 MET	MG/KG : 74000
A14600 CADMIUM/EP TOX.	MG/L : 0.005K	A14600 CADMIUM/SW846 MET	MG/KG : 1.25K
A14700 CHROMIUM/EP TOX.	MG/L : 0.01K	A14700 CHROMIUM/SW846	MG/KG : 11.25
A14900 COPPER/SW846 MET.	MG/KG : 112.50	A15100 LEAD/EP TOXICITY	MG/L : 0.05K
A15100 LEAD/SW846 MET.	MG/KG : 2350.0	A15300 MERCURY/EP TOX.	MG/L : .0001K
A15300 MERCURY/SW846 EQ.	MG/KG : 92.0	A15500 SELENIUM/EP TOX.	MG/L : 0.05K
A15500 SELENIUM/SW846	MG/KG : 5.0K		



123 W. MADISON ST. • CHICAGO, ILLINOIS 60602
TELEPHONE (312) 853-1191

OWNERSHIP REPORT INVOICE

3365A0
FISCAL SERVICES****
2200 CHURCHILL ROAD
P. O. BOX 19276
SPRINGFIELD, IL 62794

RECEIVED DATE 10-Oct-88
FILE NO. 312671
OCT 13 1988
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

CUSTOMER REFERENCE 031042002 COOK COUNTY

OWNERS POLICY LOAN POLICY

DESCRIPTION	BUYERS CHARGES (CUSTOMARILY)	SELLERS CHARGES (CUSTOMARILY)	BALANCE
OWNERSHIP SEARCH	200.00		
	=====		
	200.00		
		BALANCE DUE	\$200.00

RECEIVED
APR 21 1989
IEPA-DLPC

TRACT AND JUDGMENT SEARCH

MID AMERICA TITLE COMPANY

123 WEST MADISON STREET
CHICAGO, ILLINOIS 60602
312/853-1191

RECEIVED
OCT 13 1988
ILL. E.P.A. - D.
STATE OF ILL.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1701 FIRST AVENUE
MAYWOOD, ILLINOIS 60153

FILE NUMBER: 312671

EFFECTIVE DATE: SEPTEMBER 29, 1988

DEAR MR. OR MS. :

IN ANSWER TO YOUR REQUEST, WE GIVE YOU THE FOLLOWING INFORMATION:

1. THE LAND REFERRED TO HEREIN IS DESCRIBED AS FOLLOWS:

PARCEL 1:

BLOCK 8 IN REXFORD AND BELLAMY'S SUBDIVISION OF PART OF THE WEST HALF OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 37 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPT THE SOUTH 179.11 FEET THEREOF) IN COOK COUNTY, ILLINOIS.

PARCEL 2:

THAT PART OF LOT 6 IN LUDWIG KRUEGER'S SUBDIVISION OF THE EAST 1/2 OF THE SOUTHWEST QUARTER AND PART OF THE WEST HALF OF THE SOUTHWEST QUARTER LYING SOUTHWESTERLY OF THE CHICAGO ROCK ISLAND RAILROAD RIGHT OF WAY IN SECTION 30, TOWNSHIP 37 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PARCEL 3:

BLOCK 7 OF REXFORD AND BELLAMY'S SUBDIVISION OF PART OF THE WEST HALF OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 37 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPT THE SOUTH 179.11 FEET THEREOF) IN COOK COUNTY, ILLINOIS.

PARCEL 4:

BLOCK 6 OF REXFORD AND BELLAMY'S SUBDIVISION OF PART OF THE WEST HALF OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 37 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPT THE SOUTH 179.11 FEET THEREOF) IN COOK COUNTY, ILLINOIS.

PARCEL 5:

THE WEST 143 FEET OF THE SOUTH 179.11 FEET OF THE WEST 243.2 FEET OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 37 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

2. THE LAST DEED(S) OF RECORD FOR THE ABOVE PROPERTY:

GRANTOR(S) : CHICAGO COPPER AND CHEMICAL

GRANTEE : SOUTH CHICAGO SAVINGS BANK, AS TRUSTEE UNDER TRUST
: AGREEMENT DATED DECEMBER 15, 1986 AND KNOWN AS TRUST
: NUMBER 11-2482
DATED : 12-24-86
TYPE OF DEED : WARRANTY DEED IN TRUST
RECORDED/FILED : 1-16-17
DOCUMENT : 87 033 326
AFFECTS : 25 30 400 012

GRANTOR(S) : CHICAGO COPPER AND CHEMICAL
GRANTEE : SOUTH CHICAGO SAVINGS BANK, AS TRUSTEE UNDER TRUST
: AGREEMENT DATED DECEMBER 15, 1986 AND KNOWN AS TRUST
: NUMBER 11-2483
DATED : 12-24-86
TYPE OF DEED : DEED IN TRUST
RECORDED/FILED : 1-16-87
DOCUMENT : 87 033 330
AFFECTS : 25 30 315 008

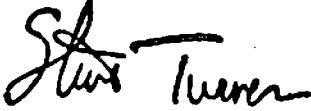
GRANTOR(S) : CHICAGO COPPER AND CHEMICAL
GRANTEE : SOUTH CHICAGO SAVINGS BANK, AS TRUSTEE UNDER TRUST
: AGREEMENT DATED DECEMBER 15, 1986 AND KNOWN AS TRUST
: NUMBER 11-2481
DATED : 12-24-86
TYPE OF DEED : WARRANTY DEED IN TRUST
RECORDED/FILED : 1-16-87
DOCUMENT : 87 033 327
AFFECTS : 25 30 400 005

GRANTOR(S) : CHICAGO COPPER AND CHEMICAL
GRANTEE : SOUTH CHICAGO SAVINGS BANK, AS TRUSTEE UNDER TRUST
: AGREEMENT DATED DECEMBER 15, 1986 AND KNOWN AS TRUST
: NUMBER 11-2480
DATED : 12-24-86
TYPE OF DEED : WARRANTY DEED IN TRUST
RECORDED/FILED : 1-16-87
DOCUMENT : 87 033 329
AFFECTS : 25 30 400 004

GRANTOR(S) : CHICAGO COPPER AND CHEMICAL
GRANTEE : SOUTH CHICAGO SAVINGS BANK, AS TRUSTEE UNDER TRUST
: AGREEMENT DATED DECEMBER 15, 1986 AND KNOWN AS TRUST
: NUMBER 11-2479
DATED : 1-24-86
TYPE OF DEED : WARRANTY DEED IN TRUST
RECORDED/FILED : 1-16-87
DOCUMENT : 87 033 328
AFFECTS : 25 30 400 007 AND 25 30 400 008

THE PARTY ORDERING THIS REPORT WILL BE REIMBURSED FOR ALL OUT OF POCKET LOSSES UP TO A MAXIMUM OF \$5,000.00 FOR A DIRECT MONETARY LOSS WHICH IS THE PROXIMATE RESULT OF THE COMPANY'S ERROR OR OMISSION IN REPORTING ON THE STATUS OF TITLE AND/OR LIENS, PROVIDED THE COMPANY IS GIVEN PROMPT WRITTEN NOTICE OF THE ERROR OR OMISSION. THIS IS NOT A POLICY OF TITLE INSURANCE.

SINCERELY,

A handwritten signature in black ink, appearing to read "Steve Turner". The signature is written in a cursive, flowing style with a horizontal line extending from the end.

MID AMERICA TITLE COMPANY

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY INSPECTION REPORT

USEPA Number: Non-notifier IEPA Number: 031042 0002

Facility Name: Chicago Copper and Chemical Co

Street: 12658 Winchester
 City: Calumet Park Telephone: 312/597-0990
 County: COOK State: IL Zip Code: 60643

Type of Facility: Non-notifier Regulated as: S, D
 LDF? Yes HPV? No 90 Day Follow-up required? Yes: No No: X

Region: II Date of Inspection: 05/24/89 From: 10:30A to: 11:30A
 Weather (LDF Only): _____

Type of Inspection
 ISS: X Sampling: _____ Citizen Complaint: _____ Closed: _____ Other: _____
 Record Review: _____ Follow-up to Inspection of: _____ Withdrawal: _____

Non Regulated Status

SQG: _____ Claimed Nonhandler: _____ Other (Specify in Narrative): _____

Notification date, Non-notifier from (initial) or (subsequent) Notif. _____

Part A Non-filer

Initial Part A date: _____ Amended: _____
 Part A Withdrawal requested: _____ Approved by (US)(IL)EPA: _____

Part B Permit Application NA

Part B Permit called by (US)(IL)EPA on: _____ Permit Due: _____
 Part B Permit Submitted: _____ Draft Permit Issued: _____

Enforcement

Has the firm been referred to: USEPA? No IAG? Yes County SA? No
 Date(s) of initial referral: 4/88
 USEPA CACO: _____ CAFO: _____ ALJ Decision: _____
 Referral to DOJ by USEPA: _____ Federal Court Order Issued: _____
 PCB Order Issued: _____ State Court Order Issued: _____

TSD Facility Activity Summary

Activity By Process Code	On Pt A?	Activity Conducted Prior to 1980?	Was Activity Ever Done?	Closed	Being Done at Time of Insp?	Exempt per 35 IAC, Sec.	On Annual Report		
S03	No	?	Yes	No	No	No	No	No	No
D80	No	?	Yes	No	No	No	No	No	No
S03 - Hazardous waste pile storage									
D80 - Landfill disposal									
							RECEIVED		
							JUN 27 1989		
							EPA-DLPC		

314577-0990

5 2 4 2 0 7 :

12658 Winchester

Case:

Calumet Park

SECRET :

IL

24a Code:

60643

ପିଲାଟି:

South Chicago Savings Bank, Trustee #5 11-2483,

SECRET

9200 S. Commercial Avenue

Chen:

Chicago

Σημείωση:

IL

The Case:

60617

Person Interviewed:

2025-01-01

Telefonica 6

အသေးစား အိမ်ထောင်ရေး

Gino Bruni

Phyllis Reed

Agency/Title

IEPA/EP5

✓

Telephone 5

312/345-9780

3

Page 34

Thyllis Reed

Agent/Talia

IEPA/ EPS

Теласна :

312/345-9780

Summary of Apparent Violations

Area	Class	Section
OTH	I	725.111
CLO	I	725.212a
CLO	I	725.242a
OTH	I	725.353a
OTH	I	725.354
OTH	I	725.401a
OTH	I	725.402
OTH	II	725.409

[illegible][illegible]

May 24, 1989

NARRATIVE

On May 24, 1989, Gino Bruni and Phyllis Reed (representing IEPA) went to observe the status of the site in regards to the hazardous waste pile, tires, concrete and wood. This waste was initially discovered during the 5/6/87 investigation.

During the 5/6/87 investigation, the vacant lot was covered with debris (i.e. tires, concrete and wood) and a waste pile. Samples were collected from the waste pile. The lab analysis indicated that waste pile contained 1036 ppm of barium (E.P. Toxicity hazardous waste metal).

The hazardous waste pile, tires, concrete and wood were not observed on the vacant lot during the 5/24/89 inspection. Some parts of this area are now covered with gravel. The ~~disposition~~ of this waste has not been determined.

APPARENT VIOLATIONS:

- 725.111 - No USEPA identification number.
- 725.212a - No closure plan submitted to the Agency before the waste pile was removed from the site.
- 725.242a - No written estimate of the cost of closing the facility.
- 725.353a - No containment for controlling leachate or runoff from the hazardous waste pile.
- 725.354 - No liner or leachate collection system.
- 725.401a - Facility has not met the design requirements for a landfill.
- 725.402 - Facility has not designed, constructed or operated and maintained a control system capable of preventing run-on and run-off.
- 725.409 - No operating record.

PR:bh:3804B

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IEPA-DLPC

0310420002 - COOK - CALUMET PARK

Not drawn to scale.

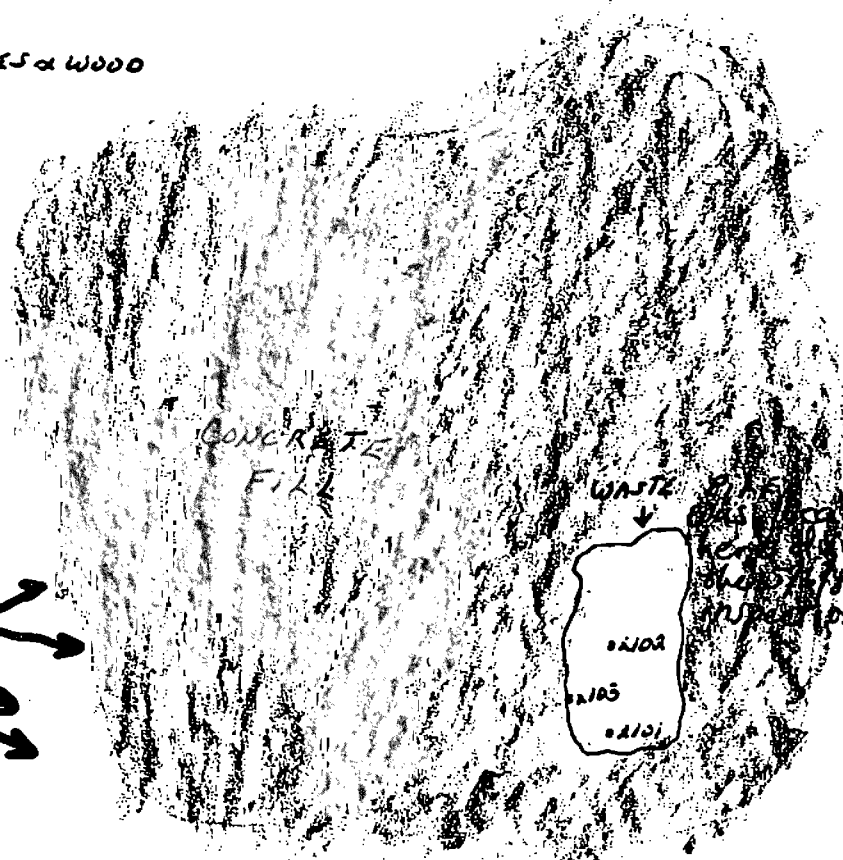
CHICAGO COPPER AND CHEMICAL CO.

125TH ST.

R
O
O
C.
R.
J.
P.
R.
R.
C.
O.

(1,2)
↓

TIRES & WOOD



(3,4) →
(5,6) →

126TH ST.

FENCE

AIRLINE
TOWING
INC.

AIRLINE
TOWING
INC.

127TH ST.

ROAD

0 → = means photos taken

N
↑

WINNEMUNGA

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
INSPECTION REPORT

REFERENCE NUMBER **118**

USEPA Number: Non-Notif Fier IEPA Number: 0310420002

Facility Name: Chicago Copper & Chemical Company

Street: 12658 Winchester

City: Calumet Park Telephone: 312-597-0990

County: COOK State: IL Zip Code: 60643

Type of Facility: Notified as: Non-Notif Fier Regulated as: Storage, Disposal
LDF? Y HPV? 90 Day Follow-up required? Yes: No: Y

Region: 2 Date of Inspection: 10-03-89 From: 9:00AM to: 3:30pm
Weather (LDF Only): Sunny 68°F

Type of Inspection

ISS: Sampling Y Citizen Complaint: Closed: Other:
Record Review: Follow-up to Inspection of: Withdrawal:

Non Regulated Status

SQG: Claimed Nonhandler: Other (Specify in Narrative):

Notification date, Non-Notif Fier from (initial) or (subsequent) Notif.

Part A Non-Filer

Initial Part A date: Ammended:
Part A Withdrawal requested: Approved by (US)(IL)EPA:

Part B Permit Application N/A

Part B Permit called by (US)(IL)EPA on: Permit Due:
Part B Permit Submitted: Draft Permit Issued:

Enforcement

Has the firm been referred to: USEPA? No IAG? Yes County SA? No
Date(s) of initial referral: 4/88
USEPA CACO: CAFO: ALJ Decision:
Referral to DOJ by USEPA: Federal Court Order Issued:
PCB Order Issued: State Court Order Issued:

TSD Facility Activity Summary

Activity By Process Code	On Pt A?	Activity Conducted Prior to 1980?	Was Activity Ever Done?	Closed	Being Done at Time of Insp?	Exempt per 35 IAC, Sec.	On Annual Report		
							88	87	86
S03	N	?	Y	N	N	N	N	N	N
D80	N	?	Y	N	N	N	N	N	N

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DEC 26 1989

EPA/DLPC

-----: Airline Towing Inc.

Telephone #: 312-597-6996

Street: 12658 Winchester

City: Calumet Park

State: IL Zip Code: 60643

Owner: Airline Towing Inc

Telephone #: 312-597-0996

Serial: 12658 Winchester

city: Calumet Park

Straz: II 24: Code: 6064.3

Person Interviewed

SECRET

Telephone # _____

J. R. Bramlett

Owner of Airline Towing Inc. 312-597-0990

Pat Soliday

Project Manager-ICFP 219-397-5823

ಪಿಎಸ್‌ಒ ಅಭ್ಯರ್ಥಿಗಳು: ಪರೀಕ್ಷೆಯನ್ನು ಹಾಜರಿ

Agency/Title

Telefona :

Gino S. Bruni

TEPA/EP5 III

312-345-9780

REPORT 3:

Agency/Title

Telefona :

Gino S. Bruni

IEPA / EPS III

312-345-9780

Summary of Apparent Violations

Area | Class | Section .

. Area | Class | Section .

. Area | Class | Section .

[illegible][illegible][illegible]

SAMPLING INSPECTION

On October 3, 1989 I took eight soil samples at the Chicago Copper and Chemical Company. The following individuals were present: J. R. Bramlett (owner/operator), Pat Soliday (Project Manager for ICEP) and myself.

This sampling inspection was a result of a compliance conference held September 20, 1989. During this conference J. R. Bramlett agreed to sample the area of the pile for the presence of hazardous waste, as well as the area around the pile to insure that it was not spread out.

Presently the pile is gone and there is no way to trace where it went. If no hazardous waste is present, the RCRA violations should be dropped since we cannot "prove" them. If hazardous waste is found they have to go thru RCRA closure. If hazardous waste constituents are present then the site should still be considered for RPM's action.

A backhoe was used to dig each of the eight sampling locations. Each hole was approximately 1 to 2 feet deep. Pat and I took one sample from each of the eight sampling locations. A stainless steel short handled spade was used to shovel the soil sample into a glass jar. A paper towel was used to wipe the spade between each sample. EP toxicity was requested for all Agency samples.

GB:bh:4511B

cc: Maywood Region

0310420002 - COOK - CALUMET PARK
Chicago Copper & CHEMICAL Co.
10-03-89

RAILROAD
C. R. J. & P. R. R. CO.

125TH ST.

X108

X105 X106 X107

X104

X101

X103 X102

126TH ST.

Waste pile which
was discovered
during the 5-6-8
inspection.

FENCE

AIRLINE
TOWING
INC.

AIRLINE
TOWING
INC.

SAND

127TH ST.

RECEIVED

DEC 26 1989

IEPA/DLPC

N

WINDYBARK

X101 - Approximate sample location and NUMBER.

PHOTOGRAPHS WERE TAKEN AT EACH SAMPLE LOCATION

Chicago Copper & Chem Co.

City Blue Island County Cook
 Section 30, 5a Twp. No. 37 N Range 14 E
 Location (in feet from section corner) 2500' E & 250' N of S.W. Corner
 Owner Smelter Well Authority Chicago Police Dept.
 Contractor _____ Address 211
 Date drilled 1891 or 2 Elev. above sea level top of well 6.8
 Depth 1449 (1950' according to U.S.G.S. Bull 37, p 253)
 Log over

Were drill cuttings saved _____ Where filed to file & maintain
 Size hole 6" If reduced, where and how much _____
 Casing record 98'
 Distance to water when not pumping _____ Distance to water is _____
 feet after pumping at _____ G. P. M. for _____ hours.
 Reference point for above measurements _____

Type of pump _____ Distance to cylinder _____
 Length of cylinder _____ Length of suction pipe below cylinder _____
 Length stroke _____ Speed _____
 Hours used per day _____ Type of power _____
 Rating of motor _____ Rating of pump in G. P. M. _____
 Can following be measured: (1) Static water level _____
 (2) Pumping level _____ (3) Discharge _____
 (4) Influence on other wells _____

Temperature of water _____ Was water sample collected _____
 Date _____ Effect of water on meters, hot water
 coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder _____

Date _____

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILL

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug . Bored . Hole Diam. 5 in. Depth 220 ft.
Curb material . Buried Slab: Yes No X
b. Driven . Drive Pipe Diam. 5 in. Depth 38 ft.
c. Drilled . Finished in Drift . In Rock X
Tubular . Gravel Packed .
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 9 Ft. Seepage Tile Field 84
Cess Pool Sewer (non Cast Iron)
Privy Sewer (Cast Iron) 34
Septic Tank 57 Barnyard
Leaching Pit Manure Pile

3. Well furnishes water for human consumption? Yes X No

4. Date well completed June 20, 1978

5. Permanent Pump Installed? Yes X Date 7/78 No

Manufacturer Sta-Rite Type Sub Location
Capacity 11 gpm. Depth of Setting 120 Ft.

6. Well Top Sealed? Yes X No Type Water tight cap

7. Pitless Adapter Installed? Yes X No

Manufacturer Baker Monitor Model Number Snappy
How attached to casing? Clamp on type

8. Well Disinfected? Yes X No

9. Pump and Equipment Disinfected? Yes X No

10. Pressure Tank Size 82 gal. Type No-X-Trol

Location Basement

11. Water Sample Submitted? Yes X No

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

non responsive

10.

11.

12.

14.

15.

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>Steel 15'</u>	<u>0</u>	<u>33</u>

SHOW
LOCATION IN
SECTION PLAT
lot 5, block 6, Sunset Manor Sub
SW

16. Size Hole below casing: 4 3/4 in.

17. Static level 10 ft. below casing top which is 1.2" ft.
above ground level. Pumping level 30 ft. when pumping at 30
gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Top soil removed. Clay & rocks</u>	<u>12</u>	<u>#12</u>
<u>Gravel bladders & sand</u>	<u>22</u>	<u>34</u>
<u>Very fine gravel heavy with water</u>	<u>4</u>	<u>38</u>
<u>Limestone</u>	<u>182</u>	<u>280</u>
<u>Bedrock at 38 ft.</u>		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED J.R. Stenalt DATE June 3, 1980

White Copy - Ill. Dep. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REGISTERED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 516, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 5 in. Depth 146 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☐
- b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
- c. Drilled ☐ Finished in Drift ☐ In Rock ☒
Tubular ☐ Gravel Packed ☐
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field ☐
Cess Pool ☐ Sewer (non Cast iron) ☐
Privy ☐ Sewer (Cast iron) ☐
Septic Tank ☐ Barnyard ☐
Leaching Pit ☐ Manure Pile ☐

3. Is water from this well to be used for human consumption?

Yes ☒ No ☐

4. Date well completed 10-18-67

5. Permanent Pump Installed? Yes ☐ No ☒
Manufacturer Kellogg Type Submersible
Capacity 20 gpm. Depth of setting 24 ft.

6. Well Top Sealed? Yes ☒ No ☐

7. Pitless Adaptor Installed? Yes ☒ No ☐

8. Well Disinfected? Yes ☒ No ☐

9. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

non responsive

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5"</u>		<u>0</u>	<u>41</u>

SHOW
LOCATION IN
SECTION PLAT
SE SW NW

16. Size Hole below casing: 5 in.

17. Static level 17 ft. below casing top which is 3 ft. above ground level. Pumping level 34 ft. when pumping at 20 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Medium Clay & Gravel</u>	<u>0</u>	<u>41</u>
<u>White Sandstone</u>	<u>41</u>	<u>140</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Kauring DATE 10-25-67

White Copy - Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUIRED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____ Bored _____ Hole Diam. _____ in. Depth _____ ft.
Curb material _____ Buried Slab: Yes _____ No _____
- b. Driven _____ Drive Pipe Diam. _____ in. Depth _____ ft.
- c. Drilled ☒ Finished in Drift _____ In Rock ☒
Tubular _____ Gravel Packed _____
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 10 Ft. Seepage Tile Field 25
Cess Pool _____ Sewer (non Cast iron) _____
Privy _____ Sewer (Cast iron) _____
Septic Tank 50 Barnyard _____
Leaching Pit _____ Manure Pile _____

3. Is water from this well to be used for human consumption?

Yes ☒ No _____

4. Date well completed 9/22/68

5. Permanent Pump Installed? Yes ☒ No _____
Manufacturer PEDA Type SURAH
Capacity 12 gpm. Depth of setting 42 ft.

6. Well Top Sealed? Yes ☒ No _____

7. Pitless Adaptor Installed? Yes ☒ No _____

8. Well Disinfected? Yes ☒ No _____

9. Water Sample Submitted? Yes _____ No ☒

REMARKS: Lot 5 in W. B. Egans a Subd.
located in the NW

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	SHOW LOCATION IN SECTION PLAT
<u>5</u>	<u>14-53 SEAMLESS 14.81 lb</u>	<u>0</u>	<u>24</u>	

16. Size Hole below casing: 5 in.

17. Static level 10 ft. below casing top which is 1 ft. above ground level. Pumping level 15 ft. when pumping at 12 gpm for 6 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>YELLOW CLAY</u>	<u>4</u>	<u>4</u>
<u>CLAY + GRAVEL + ROCKS</u>	<u>15</u>	<u>19</u>
<u>MILED</u>		
<u>GRAVEL</u>	<u>5</u>	<u>24</u>
<u>ROCK</u>	<u>56</u>	<u>80</u>
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED R. Foyler DATE 10-28-68

White Copy -
Ill. D. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PRESENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 1, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 4 in. Depth 75 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☐
- b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
- c. Drilled ☒ Finished in Drift ☐ In Rock ☒
Tubular ☒ Gravel Packed ☐
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 25 Ft. Seepage Tile Field ☐

Cess Pool None Sewer (non Cast iron) ☐

Privy None Sewer (Cast iron) ☐

Septic Tank 80' Barnyard None

Leaching Pit None Manure Pile None

3. Is water from this well to be used for human consumption?

Yes ☒ No ☐

4. Date well completed August 22, 1969

5. Permanent Pump Installed? Yes ☒ No ☐

Manufacturer ☐ Type ☐

Capacity ☐ gpm. Depth of setting ☐ ft.

6. Well Top Sealed? Yes ☐ No ☐

7. Pitless Adaptor Installed? Yes ☐ No ☐

8. Well Disinfected? Yes ☐ No ☐

9. Water Sample Submitted? Yes ☐ No ☐

REMARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>4</u>	<u>1/4" thick</u>	<u>Top of</u>	<u>47</u>
	<u>GRAVEL 12"</u>	<u>Soil</u>	
	<u>Steel</u>		

SHOW
LOCATION IN
SECTION PL
SW SE N

16. Size Hole below casing: 4 in.

17. Static level 14 ft. below casing top which is 2 1/2 ft. above ground level. Pumping level 18 ft. when pumping at 25 gpm for 2 1/2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>BLACK SOIL</u>	<u>1'</u>	<u>1'</u>
<u>CLAY - yellow</u>	<u>20'</u>	<u>21'</u>
<u>CLAY - blue</u>	<u>12'</u>	<u>33'</u>
<u>GRAVEL - coarse</u>	<u>12'</u>	<u>45'</u>
<u>GRAVEL - fine</u>	<u>2'</u>	<u>47'</u>
<u>Limestone gray</u>	<u>47'</u>	<u>75'</u>
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED Frank Potrykus DATE Aug. 22, 1969

INSTRUCTIONS TO DRILLERS

White Copy -
Ill. Dept. of Pub. Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well

- a. Dug ____ Bored ____ Hole Diam. ____ in. Depth ____ ft.
Curb material ____ Buried Slab: Yes ____ No ____
- b. Driven ____ Drive Pipe Diam. ____ in. Depth ____ ft.
- c. Drilled ☒ Finished in Drift ____ In Rock ☒
Tubular ____ Gravel Packed ____
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 25 Ft. Seepage Tile Field 32
Cess Pool ☒ Sewer (non Cast iron) ☒
Privy ☒ Sewer (Cast iron) ☒
Septic Tank 60 Barnyard ☒
Leaching Pit ☒ Manure Pile ☒

3. Is water from this well to be used for human consumption?
Yes ☒ No ☐4. Date well completed 10/24/705. Permanent Pump Installed? Yes ☐ No ☒
Manufacturer ____ Type ____
Capacity ____ gpm. Depth of setting ____ ft.6. Well Top Sealed? Yes ☒ No ☐7. Pitless Adaptor Installed? Yes ☐ No ☐8. Well Disinfected? Yes ☒ No ☐9. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

IDPH 4.065
10/68

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
4"	SEAMLESS 11.81 ¹² / ₁₆	0	52

SHOW
LOCATION IN
SECTION PLAT

Lot 10, Block 5 in
Arthur T. Mcintosh
Co. Middleton Highland
SE

16. Size Hole below casing: 4 in.17. Static level 5 ft. below casing top which is 1 ft.
above ground level. Pumping level 20 ft. when pumping at 10
gpm for 3 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
BLACK DIRT	1	1
YELLOW CLAY & ROCKS	15	16
GRAVEL & ROCKS	36	52
LIMESTONE	13	65

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Richard Fogle DATE 10/31/70

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED. ID MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug . Bored . Hole Diam. in. Depth ft.
Curb material . Buried Slab: Yes No
- b. Driven . Drive Pipe Diam. in. Depth ft.
- c. Drilled X. Finished in Drift . In Rock X.
Tubular . Gravel Packed .
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
<u>None</u>		

2. Distance to Nearest:

Building 30 Ft. Seepage Tile Field 75 ft.
Cess Pool Sewer (non Cast iron)
Privy Sewer (Cast iron)
Septic Tank 50 ft. Barnyard
Leaching Pit Manure Pile

3. Is water from this well to be used for human consumption?

Yes X No

4. Date well completed June 10, 1969

5. Permanent Pump Installed? Yes X No
Manufacturer Vacuzzi Type Submersible
Capacity 12 gpm. Depth of setting 42 ft.

6. Well Top Sealed? Yes X No

7. Pitless Adaptor Installed? Yes X No

8. Well Disinfected? Yes X No

9. Water Sample Submitted? Yes No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>Standard Steel</u>	<u>0</u>	<u>24</u>
	<u>Galv pipe, 15 lbs</u>		
	<u>per ft.</u>		

SHOW LOCATION IN SECTION PLAT
Plot A8, B4 in Survey map
Sub in SW

16. Size Hole below casing: 5 in.

17. Static level 7 ft. below casing top which is 1 ft. above ground level. Pumping level 12 ft. when pumping at 15 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Soil</u>	<u>1</u>	<u>1</u>
<u>Yellow Clay</u>	<u>12</u>	<u>13</u>
<u>Sand</u>	<u>7</u>	<u>20</u>
<u>Gravel</u>	<u>4</u>	<u>24</u>
<u>Limestone</u>	<u>83</u>	<u>107</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED H. Hallman DATE July 14, 1969

White Copy - Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

1/67

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____. Bored _____. Hole Diam. 5 in. Depth 160 ft.
Curb material _____. Buried Slab: Yes _____ No _____
- b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
- c. Drilled X _____ Finished in Drift _____ In Rock X _____
Tubular _____ Gravel Packed _____
- d. Grout: _____

(KIND)	FROM (Pt.)	TO (Pt.)

2. Distance to Nearest:

Building 30 Ft. Seepage Tile Field _____
Cess Pool _____ Sewer (non Cast iron) _____
Privy _____ Sewer (Cast iron) _____
Septic Tank 80 Ft. Barnyard _____
Leaching Pit _____ Manure Pile _____

3. Is water from this well to be used for human consumption?

Yes X No

4. Date well completed June 12, 1967

5. Permanent Pump Installed? Yes X No
 Manufacturer Webtrol Type Submersible
 Capacity 15 gpm. Depth of setting 84 ft.

6. Well Top Sealed? Yes X No

7. Pitless Adaptor Installed? Yes X No

8. Well Disinfected? Yes X No

9. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

Exact well location - West 50 feet of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the above described section.

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galv. 15lb. per ft.	0	90

SHOW
LOCATION IN
SECTION PLAT

Permit: West 50
of SW/4 SW/4

16. Size Hole below casing: 5 : in.

17. Static level 60 ft. below casing top which is 1 ft. above ground level. Pumping level 60 ft. when pumping at 20 gpm for 1 hours.

18.	FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
	Over Burden	105 ft.	
	Limestone		160
	(CONTINUE ON SEPARATE SHEET IF NECESSARY)		

SIGNED Phil Knierim DATE July 8, 1967

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 5 in. Depth 180 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☒
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
c. Drilled ☒ Finished in Drift ☐ In Rock ☒
Tubular ☐ Gravel Packed ☐
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
OUTTINGS		

2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field 75
Cess Pool ☐ Sewer (non Cast iron) ☐
Privy ☐ Sewer (Cast iron) ☐
Septic Tank 50 Barnyard ☐
Leaching Pit ☐ Manure Pile ☐

3. Is water from this well to be used for human consumption?

Yes ☒ No ☐

4. Date well completed 9/17/73

5. Permanent Pump Installed? Yes ☒ No ☐
Manufacturer BARNES Type SUBM.
Capacity 20 gpm. Depth of setting 42 ft.

6. Well Top Sealed? Yes ☒ No ☐

7. Pitless Adaptor Installed? Yes ☒ No ☐

8. Well Disinfected? Yes ☒ No ☐

9. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

Owner instructed

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>BLACK WELLS</u>	<u>0</u>	<u>42</u>

SHOW
LOCATION IN
SECTION PLAT
SESESE

16. Size Hole below casing: 5 in.

17. Static level 20 ft. below casing top which is 1 1/2 ft.
above ground level. Pumping level 42 ft. when pumping at 20
gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>OVER BURDEN</u>	<u>0</u>	<u>42</u>
<u>ROCK FORMATION</u>	<u>42</u>	<u>180</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Kneiss DATE 9/17/73

White Copy -
Ill. Dept. of P. Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGIN. TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____ Bored _____ Hole Diam. 5 in. Depth 150 ft.
Curb material _____ Buried Slab: Yes _____ No _____
- b. Driven _____ Drive Pipe Diam. _____ in. Depth _____ ft.
- c. Drilled X Finished in Drift _____ In Rock X
Tubular _____ Gravel Packed _____
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building _____ Ft. Seepage Tile Field 75 ft.
Cess Pool _____ Sewer (non Cast iron) _____
Privy _____ Sewer (Cast iron) _____
Septic Tank 50 ft. Barnyard _____
Leaching Pit _____ Manure Pile _____

3. Is water from this well to be used for human consumption?

Yes X No _____

4. Date well completed 4-18-70

5. Permanent Pump Installed? Yes X No _____
Manufacturer Subm Type 1 1/2 HP
Capacity 30 gpm. Depth of setting 84 ft.

6. Well Top Sealed? Yes X No _____

7. Pitless Adaptor Installed? Yes X No _____

8. Well Disinfected? Yes X No _____

9. Water Sample Submitted? Yes _____ No X

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

non responsive

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5"</u>	<u>15 lb.</u>	<u>0</u>	<u>40</u>
	<u>Seamless</u>		

SHOW
LOCATION IN
SECTION PLAT

Lot 23 in Mathew
sub. NWSW

16. Size Hole below casing: 5 in.

17. Static level 3 ft. below casing top which is 2 ft.
above ground level. Pumping level 84 ft. when pumping at 30
gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Overburden</u>	<u>0</u>	<u>20</u>
<u>Limestone - Cement Grouted</u>	<u>20</u>	<u>40</u>
<u>Limestone</u>	<u>40</u>	<u>150</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Paul Knerum DATE 4-27-70

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILL

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____ Bored _____ Hole Diam. _____ in. Depth _____ ft.
Curb material _____ Buried Slab: Yes _____ No _____
- b. Driven _____ Drive Pipe Diam. _____ in. Depth _____ ft.
- c. Drilled ☒ Finished in Drift _____ In Rock ☒
Tubular _____ Gravel Packed _____
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 25 Ft. Seepage Tile Field _____
Cess Pool _____ Sewer (non Cast iron) 100
Privy _____ Sewer (Cast iron) 50
Septic Tank _____ Barnyard _____
Leaching Pit _____ Manure Pile _____

3. Well furnishes water for human consumption? Yes ☒ No _____

4. Date well completed 7/2/25

5. Permanent Pump Installed? Yes ☒ Date 7/3/25 No _____

Manufacturer REDT Type SUBM Location _____

Capacity 10 gpm. Depth of Setting 100 Ft.

6. Well Top Sealed? Yes ☒ No _____ Type _____

7. Pitless Adapter Installed? Yes ☒ No _____

Manufacturer _____ Model Number _____

How attached to casing? _____

8. Well Disinfected? Yes ☒ No _____

9. Pump and Equipment Disinfected? Yes ☒ No _____

10. Pressure Tank Size 42 gal. Type Galv

Location _____

11. Water Sample Submitted? Yes _____ No ☒

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

non responsive

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	BLACK H-53	0	112

SHOW
LOCATION IN
SECTION PLAT

Lot 6
Bouton's Subdiv
Park Subd

16. Size Hole below casing: 5 in.

17. Static level 20 ft. below casing top which is 1 ft. above ground level. Pumping level 100 ft. when pumping at 3 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
YELLOW CLAY	30	30
BLUE CLAY	50	80
GRAVEL & Boulders	32	112
LIMESTONE	58	170

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Terry Hale DATE 7/2/25

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

REFERENCE NUMBER 110

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

LPL
DIVISION

Calumet Park

1 Chicago Copper Chemical Co. I. D. or FILE NO. L 0310420002

Re: Any Residential Wells in Area

Conversation with: Mr. Gary Kozlowski ^{Blue Island} Water Operator (708) 597-8605

() I Called Party (X) Party Called Me DATE 01/16/90 TIME 1:55P

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① Is the City of Blue Island on
Lake Michigan water?

② Yes.

③ Are there any residential wells within
the city limits.

④ About a handful that have
not been hooked up to the
main water line.

⑤ Where are these wells located?

⑥ On 141st Place, near the Blue
Island border.

⑦ Thank You.

IL 532-0727
EPA 129 (Rev. 1/81)

Gregory W. D.
Signature

use reverse side if necessary

EPS II
Title

Over